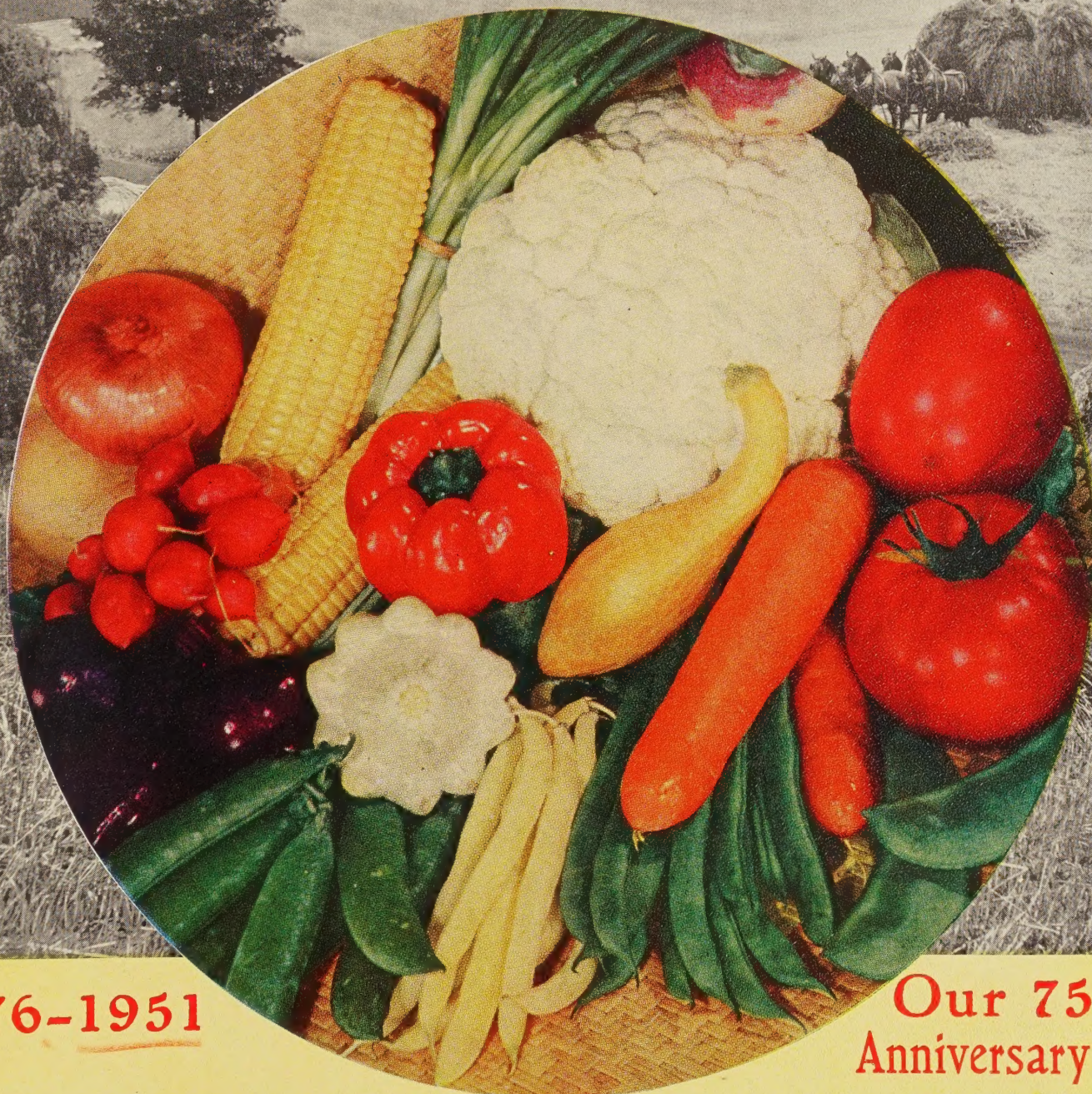
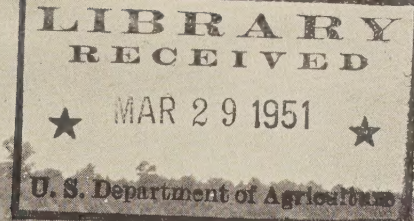


Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.73

SCOTT'S SEEDS



1876-1951

Our 75th
Anniversary Year

MAIL AND TELEPHONE ORDERS • TELEPHONE: ATLANTIC 1-2022

The I. W. SCOTT COMPANY

500 LIBERTY AVE. • 113 DIAMOND ST. • PITTSBURGH 22, PA.

Fine New Annual Flowers for 1951



ASTER BALLET. *Mixed Colors.* Pkt. 25c



LARKSPUR, Giant Imperial. *Separate Colors or Mixed.* Pkt. 25c. See page 37



TITHONIA, Torch. A.A.S. 1951. Pkt. 25c



TETRA SNAPDRAGONS. *Mixed Colors.* Pkt. 25c

An Explanation

OF OUR

75th Anniversary Catalog

DEDICATION. It is our pleasure to place this 1951 Catalog in your hands. We have dedicated it to every Farmer, Home and Market Gardener, and Poultry Raiser who desires a more successful operation. This would certainly include you, we know, and we trust that you will find many occasions throughout the year to refer to it.

OBSERVATION. As we go to press, the question of whether certain items will be in short supply is being raised. No one can predict with certainty. During our 75 years in business, there have been other such periods and so we think a statement of our policy may be in order at this time: Scott's

can be relied upon to hold to the highest standards of quality, consistent with the market. This is a promise and a pledge.

ESTIMATION. There is a possibility that items made of metal and also insecticides and fertilizers may be in critical supply before the year is out. We have anticipated this condition and expect to have ample stocks, for the coming season, of all material that may become in short supply. If what you want is at all available, you can feel reasonably sure that we will have it.

INVITATION. Let me personally extend a cordial invitation to make our Store your Headquarters for all Farm, Garden, and Poultry Supplies. When once you become a Scott customer, you will know that our patronage has been built on three main foundation stones: Quality—Personal Service—Honest Value.

CHAS. S. ZIMMERMAN

January 29, 1951

President

GENERAL INFORMATION AND SUGGESTIONS

FREE DELIVERY

At prices named in this Catalog, on Vegetable Seeds, Flower Seeds, Grass Seeds, and Bulbs, *We Deliver Free* anywhere in the United States.

On other goods where the order amounts to \$3 or more (except where priced otherwise), *We Deliver Free* in Pennsylvania, Ohio, and West Virginia. Customer pays transportation charges on orders less than \$3.

Free deliveries are made at our option by truck, or by mail, express, or freight to your nearest post office, express office, or freight station.

PARCEL POST SHIPMENTS

Where the Catalog provides that postage be added to the remittance, include for postage as follows:

Less than 1-lb. package.....	\$0 10	20-lb. package.....	\$0 51
1-lb. package.....	12	25-lb. package.....	61
2-lb. package.....	15	50-lb. package.....	1 13
3-lb. package.....	17	Less than 1-pt. package.....	12
4-lb. package.....	19	1-pt. package.....	15
5-lb. package.....	21	1-qt. package.....	20
10-lb. package.....	31	1/2-gal. package.....	30
15-lb. package.....	41	1-gal. package.....	40

ORDER IN ADVANCE

We cannot urge too strongly the necessity of anticipating your requirements as far in advance as possible. The cooperation of our customers in this respect will be appreciated.

C. O. D.

We will accept orders for shipment C.O.D. except on nursery stock, roses, strawberry plants, or other perishable goods.

PRICE CHANGES

Because of present unsettled conditions, prices in this catalog are subject to change. Should the price of any commodity be advanced, the customer will be notified before shipping, or in case of a reduction, the difference in price will be refunded. It has always been our policy to keep prices as low as possible and we will not advance prices unless it is absolutely necessary due to increased costs.

QUANTITY RATES ON VEGETABLE SEEDS

Half-bushels will be furnished at bushel rates; half-pecks at the peck rate; and half-pounds at the pound rate.

TERMS

Our terms are cash and prices are net, with no discounts. To persons and firms with established credit we are glad to extend the convenience of a charge account. Usual credit references are required.

MAIL AND TELEPHONE ORDERS

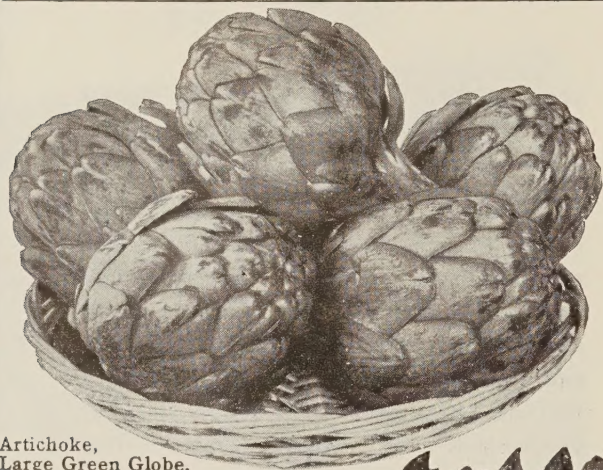
We are organized to give mail and telephone orders the same personal attention as orders placed in our store. If it is not convenient to come to the store we will appreciate your order either by mail or telephone.

REMITTANCES

These should be sent by money order, registered letter, bank draft, or check. Amounts less than \$1 may be sent in postage stamps.

WARRANTY

The I. W. Scott Company warrants to the extent of the purchase price that Seeds, Plants, Shrubs, Trees or Bulbs sold are as described on the container within recognized tolerances. Seller gives no other or further warranty, express or implied.



Artichoke,
Large Green Globe.
Pkt. 15 cts.



Broccoli
True Italian
Sprouting.
Pkt. 15 cts.



Asparagus, Mary Washington
2-yr. roots, 75 cts. per doz.

Brussels Sprouts, Half-Dwarf
Improved. Pkt. 15 cts.



Your 1951 Food Bill

can be cut considerably if you raise your own vegetables. With the mounting cost of living making inroads on every family budget, a home-garden is a real economy measure and the fresh, health-giving vegetables that you get from it are much superior to any you can buy. Besides, gardening is good exercise in the open air, which will help to make you feel your best.

★ WHEN IN DOUBT, ORDER THE STAR VARIETIES

ASPARAGUS

Equally good results may be secured by planting seed or roots; seed is cheaper but from one to two years' time is saved by starting with roots.

Sow seed early in the spring, in shallow drills 12 to 15 inches apart, and when the plants are 4 inches high, thin out to 3 inches apart; transplant to the permanent bed the following spring.

An Asparagus bed should be deeply dug and plenty of manure worked in. Set the plants so that the crown is about 3 inches below the bed-level, in rows at least 3 feet apart and $1\frac{1}{2}$ to 2 feet apart in the row. Barely cover at first, filling in as the plants grow. Do not cut the first year.

*One ounce of seed will sow a 100-foot row;
5 pounds will sow an acre*

Mary Washington. ★ Plants vigorous, very productive and nearly rust-free. Shoots dark green with heavy purple overtone and of excellent quality. By far the most extensively grown variety. Seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$2.00.

Two-year-old roots, 75 cts. per doz., \$2.00 for 50, \$3.50 per 100, \$12.00 for 500, \$22.00 per 1,000.

BROCCOLI

Resembles cauliflower except in color. Suitable for home-garden, market, or freezing. For an early crop, sow the seed in a hot-bed in March and transplant seedlings in the open ground after frost. For late crop, sow the seed in the open ground in April and transplant in May or June. Days to maturity are figured from the time the plants are set in the garden.

An ounce of seed will produce about 3,000 plants

True Italian Sprouting. 70 days. A distinct variety with large, solid heads that stay green. Many sprouts develop from the leaf-axils after the heads are cut, and each terminates in a small head which is also edible. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

FRENCH ARTICHOKE

This highly prized salad can be grown in our climate, provided the plants are given light protection over winter. Start the seed indoors and give the same treatment as you would tomatoes, transplanting to the garden in May. The plants are perennial.

An ounce of seed will produce 500 plants

Large Green Globe. The best variety. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

BRUSSELS SPROUTS

The "sprouts" are like miniature cabbages growing along the main stem. Takes the same culture as cabbage.

An ounce of seed will produce 2,000 plants

Half-Dwarf Improved. Compact plants about 2 feet tall. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

BEANS

Everyone Can Grow Beans

DWARF GREEN-PODDED AND WAX BEANS

Although the pods of Wax Beans are considered more attractive than those of the green-podded sorts, there is no difference in quality, and personal choice, or market demand, must decide which to grow; both are delicious and both yield bountiful returns from limited space. Home gardeners will want some of both types. As soon as the ground warms up, plant the Beans $1\frac{1}{2}$ to 2 inches deep and 2 to 3 inches apart in rows 2 to $2\frac{1}{2}$ feet apart. Later plantings should be covered $2\frac{1}{2}$ to 3 inches deep. For a constant supply, plant every two weeks from May to August.

**For Increased Yield
Inoculate This Seed
with LEGUME-AID.**

*A pint of seed will sow 150 feet of furrow;
1 to $1\frac{1}{2}$ bushels, depending on variety, will
be required for an acre when the seed is
planted in drills.*

Dwarf Green-podded Beans

Bountiful. ★ 48 days. A splendid variety, well named, for it is extremely productive and always reliable. The pods are flat, of good size, and handsome appearance, always stringless, tender until full grown and of excellent flavor. Pkt. 10 cts., $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Burpee's Stringless Green-Pod. 50 days. Very productive, with pods round, thick, very meaty and perfectly stringless. An old favorite with many people. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Giant Stringless Green-Pod. ★ 53 days. A very dependable producer. The pods are long, dark green, round, stringless and very tender. Extensively used for canning. Pkt. 10 cts., $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Italian Black-Eye. 70 days. A very prolific yielder with long, round, slender pods, dark green in color and stringless. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Plentiful. 50 days. Pods long, flat, straight, medium deep green, brittle, stringless, and of a distinctive flavor. A splendid variety for home-garden or market. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Streamliner. 50 days. Ideal where a flat, heavy-yielding Bean is desired. Pods are long, straight, flat and perfectly stringless at all stages of growth. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

Stringless Black Valentine. ★ 52 days. A heavy yielder, round, stringless, with fine quality and delicate flavor. Popular with market-gardeners but equally good for home-gardens. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Stringless Red Valentine. 52 days. Pods round, stringless, meaty, tender and of rich flavor. Unusually hardy. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

Tendergreen. ★ 53 days. Has perfectly round pods $6\frac{1}{2}$ to 7 inches long, quite slender, straight, light green, tender, absolutely stringless, meaty, and of high quality. Ideal for canning and freezing. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

Topcrop. Pods round, slender, light green and stringless. A very dependable variety. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

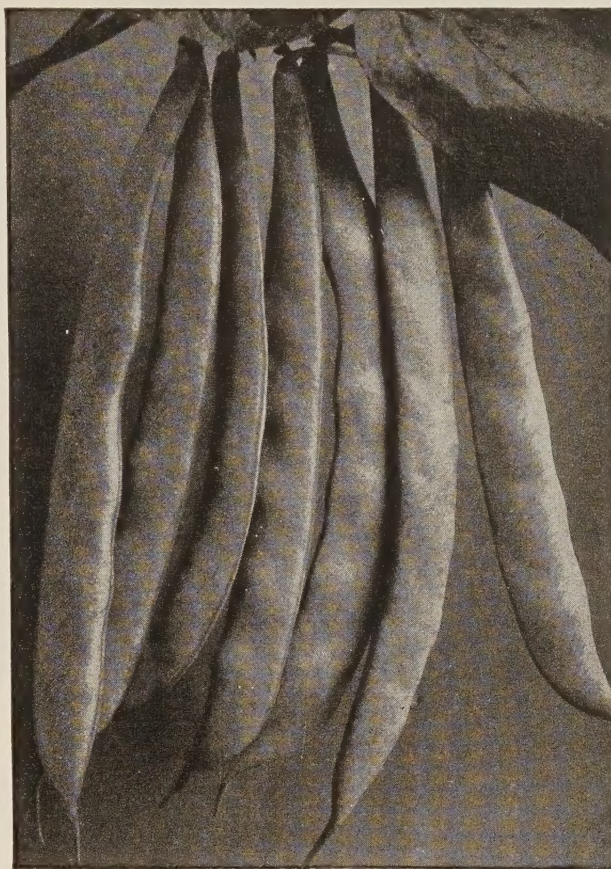
Dwarf Wax-podded Beans

Improved Golden Wax. 51 days. Pods are thick and flat, creamy yellow in color and stringless. Hardy and prolific. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

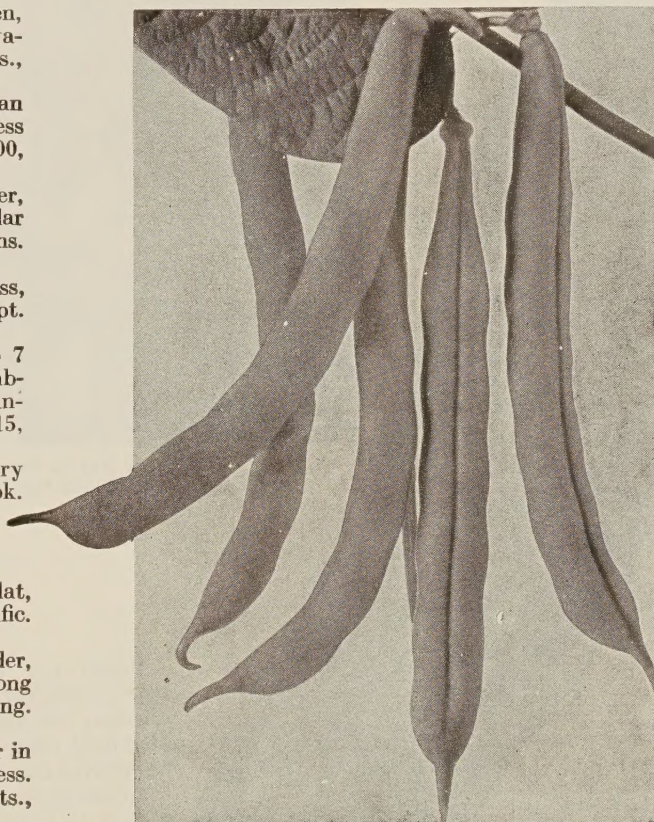
Pencil-Pod Black Wax. 54 days. Pods round, long, slender, golden yellow, and of fine quality. Bears profusely over a long period. Desirable for home, market-garden, and canning. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

Round-Pod Brittle Wax. ★ 58 days. This Bean is superior in flavor, remarkably brittle and tender, and absolutely stringless. The pods are long, round and bright yellow. $\frac{1}{2}$ pt. 35 cts., pt. 60 cts., qt. \$1.10, pk. \$6.45, bus. \$24.00.

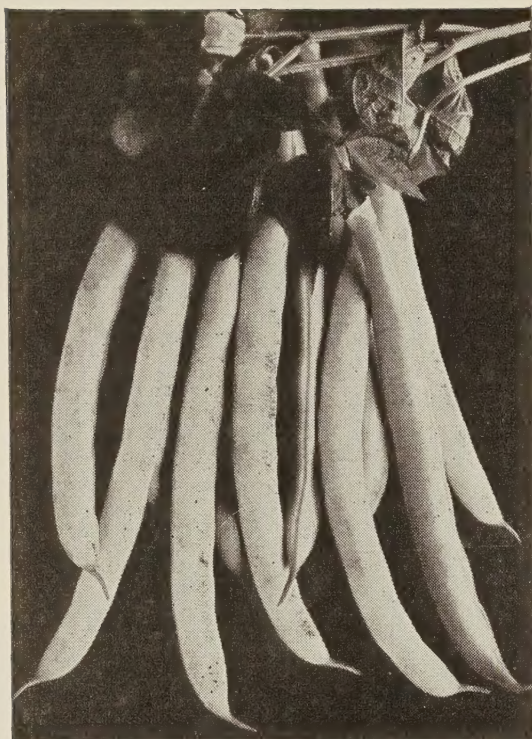
Dwarf Wax-podded Beans continued on page 5



Beans, Bountiful. Pkt. 10 cts., $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00



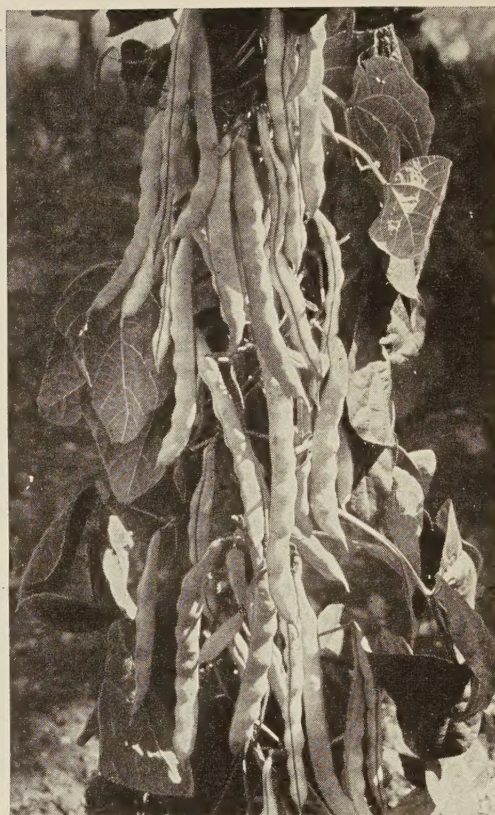
Beans, Tendergreen. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00



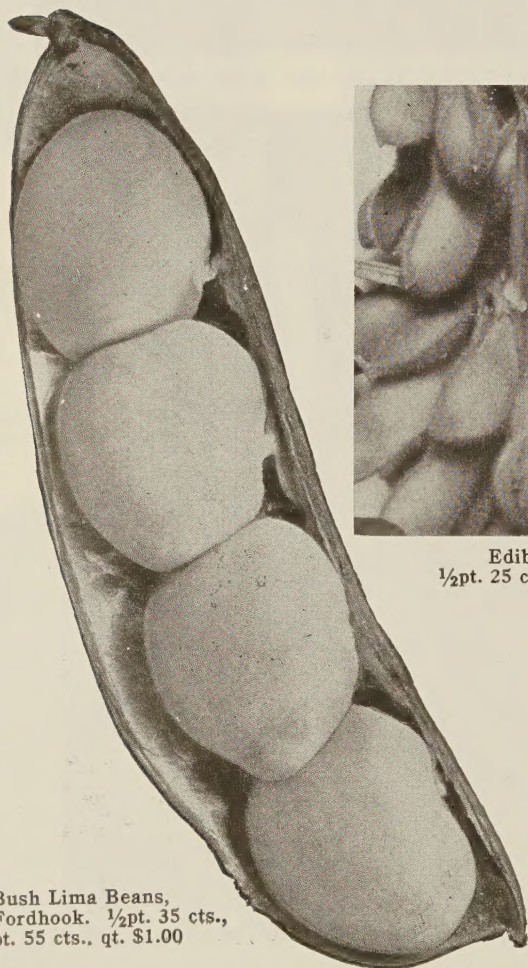
Beans, Sure-Crop Stringless Wax
Pkt. 10 cts., $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00



Beans, Dwarf Horticultural
 $\frac{1}{2}$ pt. 40 cts., pt. 65 cts.



Beans, Kentucky Wonder
Pkt. 10 cts., $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00

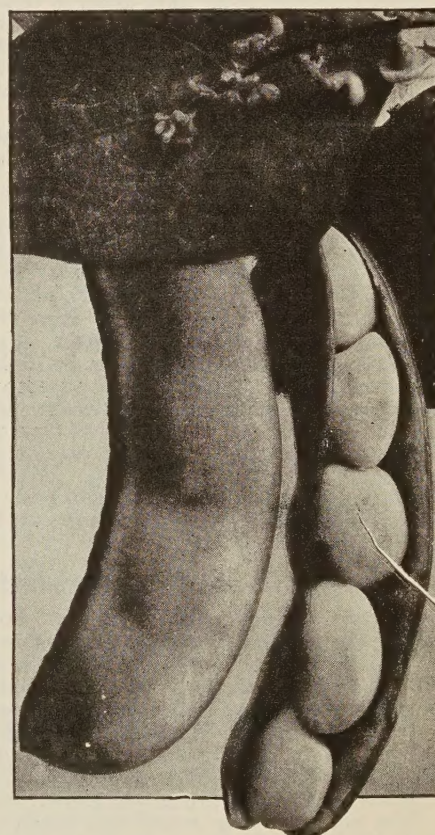


Bush Lima Beans, Fordhook. $\frac{1}{2}$ pt. 35 cts., pt. 55 cts., qt. \$1.00



Edible Soy Beans, Bansei
 $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 65 cts.

Beans are a stand-by in every home-garden. There are so many different types, all of high food value, that they may be enjoyed in a variety of ways. Plant succession crops in order always to have Beans at their best.



Pole Lima Beans, King of the Garden
 $\frac{1}{2}$ pt. 40 cts., pt. 65 cts., qt. \$1.20

DWARF WAX-PODDED BEANS, continued

Sure-Crop Stringless Wax. ★ 53 days. Also known as Yellow Bountiful. The pods are of good size, broad, thick-flat, and bright yellow in color, entirely stringless and of fine quality. Very productive and excellent for both home and market-garden. The most popular yellow variety. Pkt. 10 cts., ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

Top Notch Wax. 50 days. Small, compact plant with creamy yellow pods. Pods flat-oval, straight, stringless, and brittle. Valued because of its freedom from rust and other diseases. ½pt. 35 cts., pt. 60 cts., qt. \$1.10, pk. \$6.45, bus. \$24.00.

Wax- and Green-podded Pole Beans

Do not plant until the weather is really warm, then cover 6 to 10 Beans 2 inches deep in hills 3 to 4 feet apart, thinning out to 3 or 4 plants to each pole.

A quart of seed will plant 100 to 150 hills; from 12 to 16 quarts will plant an acre, depending upon the size of the Beans

Asparagus, or Yard-Long. 72 days. Pods round, slender and 2 feet or more in length. Generally grown as a novelty. ½pt. 45 cts., pt. 75 cts., qt. \$1.25.

Burger's Green-Pod Stringless. 64 days. Also known as White-Seeded Kentucky Wonder. Very prolific, bearing round, brittle pods of fine quality. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Kentucky Wonder. ★ 65 days. Reliable under all conditions, and immensely productive, bearing long, round, dark green pods of fine quality. An old variety that continues to be the most popular of the Pole Beans. Pkt. 10 cts., ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Kentucky Wonder Wax. ★ 67 days. A Wax Bean similar in productiveness to the green-podded variety. Pkt. 10 cts., ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$7.05, bus. \$26.40.

Lazy Wife. 75 days. Late sort with great clusters of richly flavored green pods which are 5 to 6 inches long. Useful also as a Shell Bean. Seeds are white. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$5.85, bus. \$21.60.

Pole Horticultural. 70 days. Also known as Pole Roman Bean or Speckled Cranberry. Very productive. Generally used as a Shell Bean, either green or dried. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15, bus. \$22.80.

Scarlet Runner. 90 days. An ornamental climber whose bright scarlet blossoms are most attractive. The dried Beans are used like Limas. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.15.

Dwarf Shell Beans

Dwarf Horticultural. Also known as Roman Bean. Snap 54 days, green shelled 65 days. A fine producer of String and Shell Beans. Pods are about 4 inches long, wide, flat, stringless; light green with stripe of red at maturity. The ripe Beans are oval; brown, speckled with purplish red. ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$7.05, bus. \$26.40.

French Horticultural. Snap 62 days, green shelled 72 days. Pods about 6 inches long, flat, stringy when mature and deep green in snap stage turning to light buff with heavy splashing of deep carmine. Plant very prolific with short runners. ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$7.05, bus. \$26.40.

Red Kidney. 95 days. Resembles the White Kidney except that the ripe Beans are red in color. ½pt. 30 cts., pt. 50 cts., qt. 85 cts., pk. \$4.95, bus. \$18.00.

White Kidney. 100 days. Largely grown for dry Shell Beans. The ripe Beans are large, kidney-shaped, pure white and do not discolor when cooked. ½pt. 30 cts., pt. 50 cts., qt. 85 cts., pk. \$4.95, bus. \$18.00.

White Marrowfat. 100 days. The favorite Bean for baking. A good producer of large, white Beans of fine quality. ½pt. 30 cts., pt. 50 cts., qt. 85 cts., pk. \$4.95, bus. \$18.00.

White Navy, or Pea Bean. 95 days. Used mostly for field planting; a sure cropper and extremely prolific. The dried Beans are small, round, and white. ½pt. 30 cts., pt. 45 cts., qt. 80 cts., pk. \$4.35, bus. \$15.60.

NOTE: One pint of Beans weighs about 1 lb., 1 quart about 2 lbs., and 1 bushel, 60 lbs.

Bush Lima Beans

Never plant Bush Lima Beans until the weather is really warm. Plant on edge, with the eye down, 4 to 5 inches apart and 1 inch deep, in rows 2½ to 3 feet apart; thin the plants to 8 to 10 inches apart.

*A pint of seed will sow 100 feet of furrow;
a bushel will sow an acre*

Baby Fordhook. 70 days. A thick-seeded, small Lima Bean of excellent quality which remains green a long time. Extra-heavy cropper; especially suitable for canning. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.00, bus. \$22.20.

Burpee Improved. ★ 75 days. The large bushes bear loads of big, broad pods, each containing 4 or 5 Beans of the largest size and finest quality. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.00, bus. \$22.20.

Fordhook. ★ 75 days. Extremely prolific, bearing good-sized pods which contain 3 to 5 large, thick, meaty Beans of delicious flavor. Its fine quality, attractive appearance, and large pods rate it as the best dwarf Lima Bean for either home-garden or commercial use. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.00, bus. \$22.20.

Fordhook 242. 72 days. A new variety with thick, plump seeds, 3 or 4 to the pods and of fine flavor. Good yielder. ½pt. 35 cts., pt. 55 cts., qt. \$1.00, pk. \$6.00, bus. \$22.20.

Pole Lima Beans

These take longer to bear than the Bush Limas, but yield larger crops and continue to bear for a longer period. The seed is usually planted in hills, at least 3 feet apart each way, dropping 4 to 6 Beans to the hill. Set poles 8 to 10 feet long in each hill to support the vines.

A quart of seed will plant 100 hills; 20 quarts will plant one acre

Carpinteria. 90 days. Large pods, containing 3 to 5 Beans which are very thick and mealy and retain their green color even when ripe. ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$6.45, bus. \$24.00.

Challenger. ★ 92 days. A vigorous grower, hardy, and very productive. Pods are 5 to 6 inches long and filled with 4 or 5 thick, plump Beans of delicious flavor. ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$6.45, bus. \$24.00.

King of the Garden. ★ 88 days. Broad pods 5 to 6 inches long, containing 4 or 5 large, flat Beans. Probably the leading Pole Lima Bean for both home and market-gardeners. Allow only two vines to each pole. ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$6.45, bus. \$24.00.

Leviathan. ★ 85 days. A general favorite, being early and productive, bearing loads of giant pods, well filled with large tender Beans. ½pt. 40 cts., pt. 65 cts., qt. \$1.20, pk. \$6.45, bus. \$24.00.

Edible Soy Beans

Bansei. 90 days. A very popular variety of vegetable-type Soy Beans. Early and extremely productive. They are delicious when eaten green or dry. Seeds are bright green while young and yellow when mature. ½pt. 25 cts., pt. 40 cts., qt. 65 cts., pk. \$3.30, bus. \$11.40.

CHICORY

Large Rooted. 65 days. Grown for its roots, which may be cooked and served like turnips. Roots 12 to 14 inches long, 2 inches in diameter at top and tapered. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.00.

Catalogna. 65 days. A rapid-growing annual with dandelion-like leaves, which have a pleasant flavor. Grown for its fresh green shoots, which are used for greens. Pkt. 10 cts., ½oz. 40 cts., oz. 65 cts., ¼lb. \$2.00, lb. \$6.00.

Witloof or French Endive. 150 days. A delicious winter salad easily forced in a cellar or frost-proof shed. The roots are grown during the summer and fall in the same way as parsnips. Dig them in the fall before severe freezing weather sets in and plant the roots in soil in a box or trench in a cellar or shed. The new leaves that grow from the old roots in about a month's time are nearly white, crisp and of a fine, piquant flavor. Pkt. 10 cts., ½oz. 40 cts., oz. 65 cts., ¼lb. \$2.00, lb. \$6.00.

BEETS

Sow seed as early in the spring as possible, in drills 15 to 18 inches apart, covering about 1 inch deep, and thin the plants to 2 to 3 inches apart. Plantings every three weeks until mid-July will furnish a supply of fresh Beets until late fall. Late in June make a large planting to produce Beets for winter use. Harvest before frost and store in pits outdoors, or in a dry cellar. For an extra-early crop start the seed under glass.

An ounce of seed will sow about 100 feet of drill; 6 pounds an acre

Crosby's Extra-Early. ★ 55 days. Dark red skin and deep red flesh; very uniform in shape and size. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Detroit Dark Red. ★ 60 days. Smooth, and uniformly globe-shaped, with dark red skin and flesh, fine-grained, tender and sweet. The standard variety for home-gardeners. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Early Blood Turnip. 55 days. Dark red skin and bright red flesh of good quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Early Wonder. ★ 50 days. The most desirable variety for market-gardeners. Roots round, deep red, smooth, tender and of excellent quality. Unsurpassed in uniformity and depth of interior color. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Extra-Early Egyptian. 53 days. One of the earliest. Medium-sized, flat, smooth roots with dark crimson skin and flesh. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Green Top Early Wonder. ★ 50 days. An outstanding new selection of Early Wonder. Foliage clean bright green, which does not have the tendency to turn red when grown in cool weather. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Perfected Detroit. 60 days. Roots globular, medium smooth, deep red; flesh dark red and practically free from zoning. Good quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

MANGEL-WURZEL or CATTLE BEETS

Generally used for winter feeding of poultry and livestock.

Sow the seed in April or early May in rows 2 to 3 feet apart and when the plants are 2 to 3 inches high, thin them out to stand 8 to 10 inches apart. Harvest before frost and store in pits outdoors or in a dry, frost-proof cellar.

Four to 5 pounds of seed will sow an acre in drills

Golden Tankard. ★ Large, long roots unusually high in feeding value. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.00.

Long Red Mammoth. ★ Enormous roots which grow largely above ground and are easy to harvest. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.00.

White Sugar. Very productive, rich in sugar and especially good for stock-feeding. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$7.00.

SWISS CHARD

One of the best of the vegetables grown for "greens." It takes the same culture as Beets except that the plants should be thinned to stand 8 inches apart. Pull the leaves off as they become ready and new ones will grow in their place.

An ounce of seed will sow about 150 feet of drill

Fordhook Giant. ★ 58 days. An outstanding variety with curly, rich dark green leaves and broad white ribs, of a quality better than spinach. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Lucullus Giant. 58 days. A tall variety with light green, deeply wrinkled and crumpled leaves. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Rhubarb Chard. ★ 58 days. Stalks glowing but delicate crimson; the rich red color extends through the veins into the dark green, heavily crumpled leaves. Has a delicious flavor. Pkt. 15 cts., oz. 50 cts.

CABBAGE

Early Cabbage should be started under glass in February or early March, and transplanted to the open ground as soon as the weather is suitable. For late Cabbage sow the seed outdoors about May 1. Plants should stand $1\frac{1}{2}$ to 2 feet apart, according to variety. Number of days shown indicate days to maturity from the time the plants are set in the garden. Allow about 40 days to produce plants from seed.

An ounce of seed will produce about 2,000 plants

Copenhagen Market. ★ 68 days. The heads are round, extremely solid, with small core and of excellent quality. The most popular early sort for both home and market-gardens. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Early Jersey Wakefield. 63 days. Heads rather small, pointed, solid, crisp and tender. The best early, pointed-head variety. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Glory of Enkhuizen. ★ 80 days. A very attractive second-early variety. Heads large, round, solid and of excellent quality. A good keeper. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Golden Acre. 64 days. An early strain of the Copenhagen type. Heads small, uniformly round, firm and solid; crisp, tender and of fine quality. Especially valuable for early market. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Hollander, or Danish Ballhead. ★ 95 days. Most widely used and best all-purpose variety for market, kraut or storage. Heads are medium size, deep round, very hard, crisp, tender and of fine quality. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Penn State Ballhead. ★ 100 days. The hard, tight heads weigh one-third more than ordinary heads of same size and are good keepers. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Premium Flat Dutch. 105 days. A heavy yielder, producing large, heavy, flat heads which keep well until late in winter. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Yellows-Resistant Varieties

Specially selected strains of Cabbage developed for use on yellows-infested soil.

Detroit. 64 days. Yellows-resistant strain of Golden Acre. Heads medium sized, round, solid, crisp and of excellent quality. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Globe. 85 days. A yellows-resistant strain of Glory of Enkhuizen. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Jersey Queen. 65 days. A pointed-head type selected from Early Jersey Wakefield for disease resistance. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Marion Market. ★ 78 days. A development from Copenhagen Market but later maturing and slightly larger head. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Wisconsin All Season. 92 days. A hardy drumhead variety which stands hot weather unusually well and is highly resistant to "yellows." Heads are semi-flat, solid and compact and of fine quality. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Wisconsin Hollander No. 8. ★ 105 days. Of the Danish Ballhead type. Popular late variety for yellows-infested soil. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Red Cabbage

Mammoth Rock Red. 100 days. Heads flattened and very large. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Red Hollander. (Yellows-resistant.) 100 days. Head round, hard and of medium size. Pkt. 15 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

Savoy Cabbage

The leaves are curled and crinkled and the heads are firm and solid. They are best late in the season after a heavy frost.

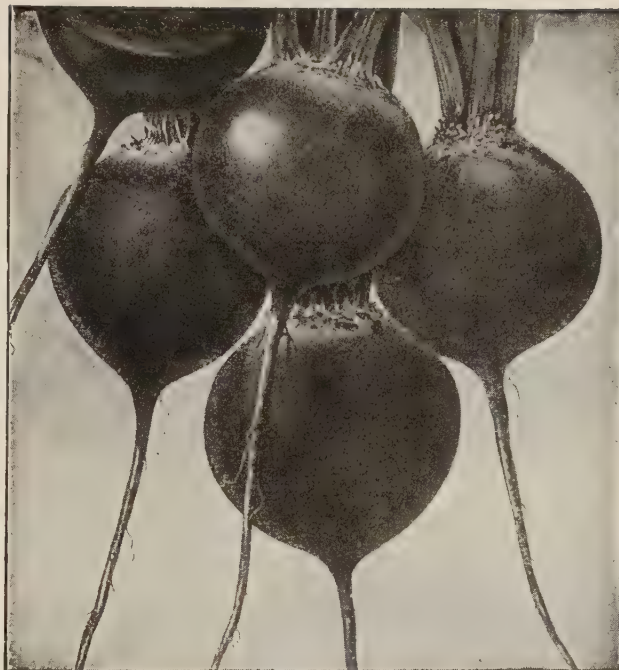
Chieftain. 90 days. Solid heads with nicely savoyed leaves. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Drumhead Savoy. 95 days. Large, solid heads and few outer leaves. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

★ WHEN IN DOUBT, ORDER THE STAR VARIETIES



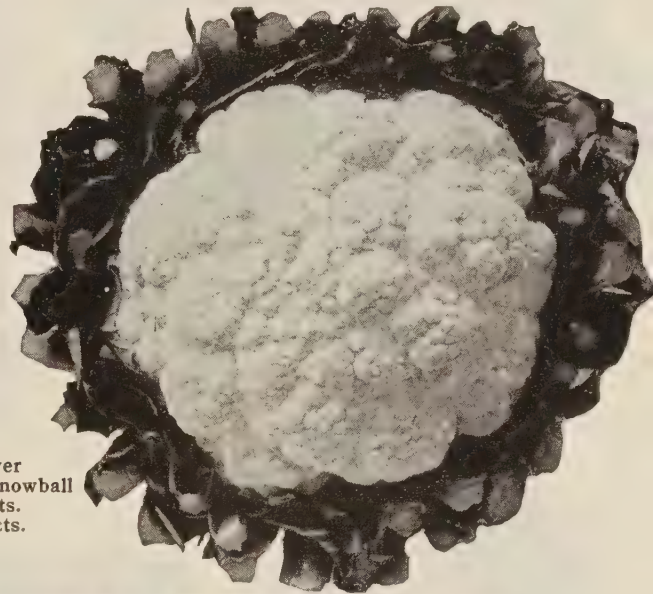
Beet, Early Wonder
Pkt. 10 cts., oz. 20 cts.



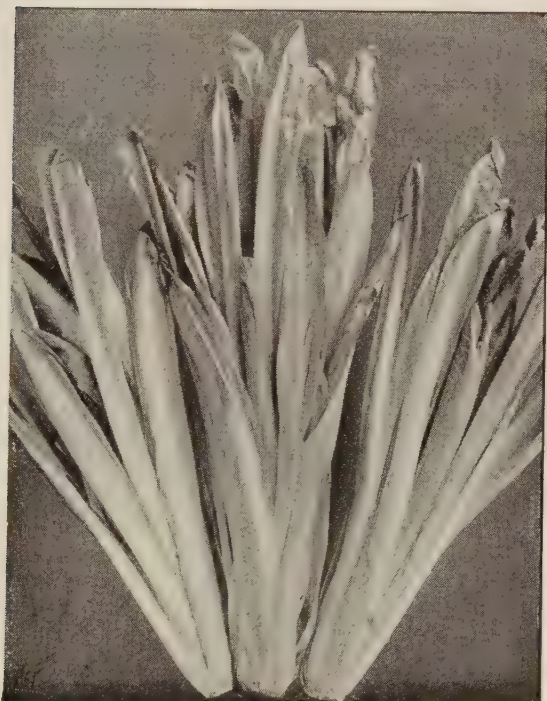
Beet, Detroit Dark Red. Pkt. 10 cts., oz. 20 cts.



Mangel-Wurzel, Long Red Mammoth. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.



Cauliflower
Select Early Snowball
Pkt. 25 cts.
 $\frac{1}{4}$ oz. 90 cts.



Chicory, Witloof. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts.



Swiss Chard, Fordhook Giant. Pkt. 10 cts., oz. 20 cts.

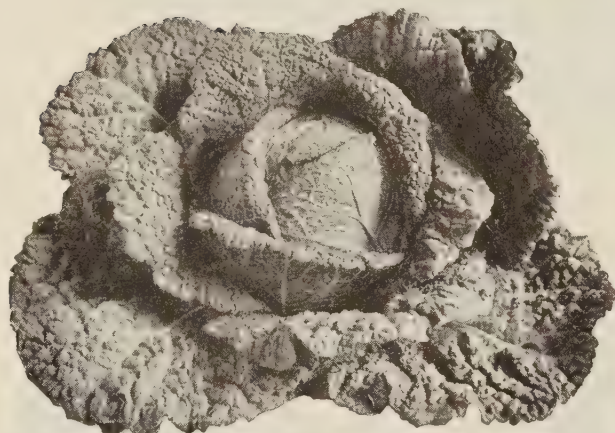


Cabbage, Hollander. Pkt. 10 cts., oz. 50 cts.

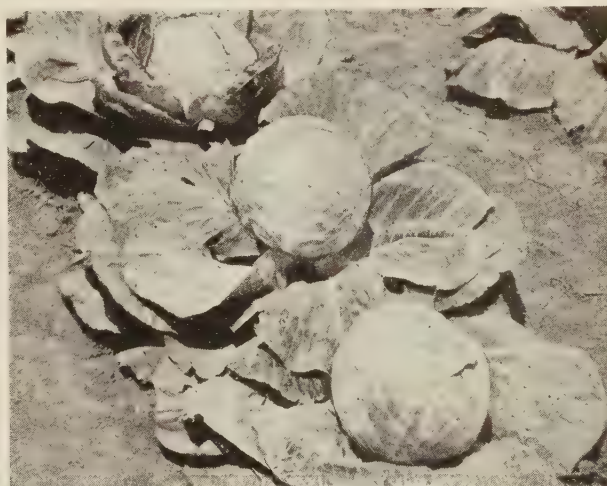


Chinese or
Celery Cabbage
Chihli
Pkt. 10 cts.
oz. 40 cts.

Cabbage is an important source of vitamin C. It is an especially valuable food when served raw or cooked only a short time. Chinese and Savoy Cabbage are delicious novelties for the table.



Savoy Cabbage, Chieftain. Pkt. 15 cts., oz. 50 cts.



Cabbage, Copenhagen Market. Pkt. 10 cts., oz. 45 cts.



Carrot
Chantenay
Pkt. 10 cts.
oz. 30 cts.



Carrot, Improved Long Orange. Pkt. 10 cts., oz. 30 cts.



Carrot, Danvers Half-Long
Pkt. 10 cts., oz. 30 cts.

CARROTS

Carrots succeed in any good garden soil. Sow the seed any time after the frost is out of the ground in rows about 15 inches apart, covering it about $\frac{1}{2}$ inch deep and pressing down firmly. Thin the seedlings to 2 inches apart in the row. Make sowings every 3 to 4 weeks from late March to the end of June. Carrots for winter storage should be sown in early June.

*An ounce of seed will sow about 200 feet of drill;
3 to 4 pounds are required to sow an acre*

Chantenay. ★ 70 days. The roots are broad at the top, tapering to an abrupt point. It produces heavy yields on comparatively shallow soils. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Danvers Half-Long. ★ 75 days. The roots are smooth, nearly cylindrical, bluntly pointed, and in good soil will attain a length of 6 to 8 inches. The skin and flesh are bright orange-red, fine-grained and tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Imperator. 77 days. Roots deep rich orange, smooth, about 8 inches long and uniformly tapered to a semi-blunt end. Flesh rich orange, fine grained, tender and of excellent quality. Meets the most exacting demand for a long, smooth, handsome Carrot. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Improved Long Orange. 85 days. Large, tapering roots, 12 to 14 inches long, smooth, bright orange in color and of good quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Morse's Bunching. 77 days. Roots rich even reddish orange, small core; 8 inches long, sweet, tender; short, strong tops. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Nantes Half Long. ★ 68 days. One of the best for home-garden and early market. Roots bright orange, 6 to 7 inches long, stump-rooted; flesh bright orange and of highest quality. Core inconspicuous. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Oxheart. 75 days. Thick, blunt, bright orange roots. Grown largely for stock feed. Prolific and a good keeper. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

Red-Cored Chantenay. 70 days. A rich orange color, decidedly deeper than the ordinary Chantenay. Roots are uniform in size and appearance, and a little earlier in maturity than ordinary Chantenay. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.00.

CAULIFLOWER

Sow the seed and treat the young plants exactly as you would cabbage, starting the spring crop in flats indoors or in the hotbed early in February and transplanting to the garden in May after danger from frost is past. Sow for fall crop in coldframe or seedbed in May and transplant in June. Set the plants $1\frac{1}{2}$ feet apart, digging in plenty of manure if it is available. When the plants show signs of heading, water them freely. Finally, when the heads are about 2 inches in diameter, tie the outer leaves loosely together over the top with soft twine, to protect them from the sun and blanch them white. Days to maturity are from the time the plants are set in the garden. Allow about 30 days to produce the plants from seed.

An ounce of seed will produce about 4,000 plants

Danish Giant, or Dry Weather. 70 days. A little later than Snowball and the plants are larger. Preferred in some sections because it will grow and head during dry weather. Pkt. 25 cts., $\frac{1}{4}$ oz. 90 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$8.00.

Select Early Snowball. ★ 60 days. Extra-early and one of the surest headers. It produces deep, solid heads of medium size, pure white, and of fine quality. Being compact in growth, the plants can be set close together. Pkt. 25 cts., $\frac{1}{4}$ oz. 90 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$8.00.

Snowdrift. ★ 60 days. Somewhat more vigorous than Snowball and selected to produce a larger head without losing materially in earliness. The pure white heads are remarkable for their great depth and unexcelled white color, and the curd is of fine texture and free from small protruding leaves. Very productive and one of the surest headers known. Pkt. 25 cts., $\frac{1}{4}$ oz. 90 cts., oz. \$2.50, $\frac{1}{4}$ lb. \$8.00.

CELERY

Celery wants plenty of fertilizer—enrich the spot where you are going to grow it with manure, humus, or rich compost, or if you lack these, with a commercial fertilizer high in nitrogen. For early crops sow indoors or in a hotbed about April 1, barely covering the seed with soil. When the seedlings are 2 to 3 inches high, thin out or transplant $1\frac{1}{2}$ to 2 inches apart. Set out by the end of May. For winter Celery, sow seed in a coldframe or sheltered spot in the garden about mid-April and reset in the trenches about July 1. It is a good plan to cut off the tops of the plants when they are 4 to 5 inches high to make them more stocky.

An ounce of seed will produce about 7,500 plants

Easy Blanching. ★ The stalks are of medium height, thick through, and brittle; the heart is heavy, blanching quickly to a clear light yellow. Good for both early and late crop. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Fordhook. Stalks smooth, entirely free from stringy fibers, and $1\frac{1}{2}$ inches through when cut. Blanches pure white but heart has a tinge of light, buttery yellow. Crisp, nutty flavor. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Giant Pascal. ★ A fine, late Celery with broad, thick, heavy stalks of superb nutty flavor; blanches yellowish white. A good winter keeper, retaining its flavor and crispness in storage. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Golden Plume, or Wonderful. ★ Resembles Golden Self-blanching in crispness and flavor, but much larger, blanches quicker and matures earlier. Desirable for market-gardeners. Pkt. 10 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$8.00.

Golden Self-Blanching. It is rather low and compact in growth, with thick, round stalks and heavy heart, blanching easily to a rich golden yellow. In flavor and quality it is unsurpassed. Pkt. 10 cts., oz. 80 cts., $\frac{1}{4}$ lb. \$2.25, lb. \$8.00.

Summer Pascal. ★ An early variety of excellent quality. Plant not tall but sturdy and robust. Stems are thick, tender, stringless and of rich flavor. Pkt. 25 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$5.00.

Utah Jumbo. Plants are large, erect, compact, full hearted and usually grow 26 to 28 inches high. Edible stems are numerous, thick, and quite smooth; are crisp and of fine quality. Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$7.00.

White Plume. A very early, easily grown variety with tall, handsome stalks which blanch quickly to a silvery white. A favorite. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

CELERIC or TURNIP-ROOTED CELERY

The roots—not the stalks—are the edible portion of this plant. They are used for flavoring soups and in stews, in place of Celery or Celery seed, and are also cooked or used as a salad. Grown like Celery but does not require blanching. Roots may be stored as you would beets and carrots, and used throughout the winter.

Large Prague. A productive variety with large, round roots. Pkt. 10 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.00.

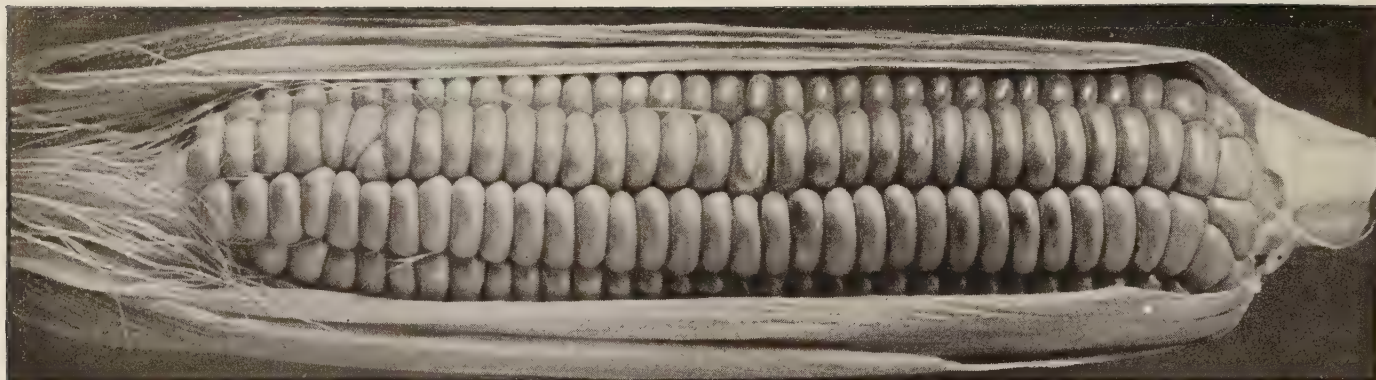
Chinese or Celery Cabbage

A most palatable and wholesome vegetable which may be served raw as salad or cole slaw, or it may be cooked like cabbage. Sow the seed the last of June or early in July, in shallow drills about 2 feet apart, and thin or transplant the seedlings to stand about 15 inches apart.

Chihli. 75 days. Produces heads about 18 inches high and 4 inches or more in diameter. Very firm, crisp, sweet and tender. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.15, lb. \$3.50.

CELTUCE

An appetizing vegetable novelty from China. Seed is sown outdoors and the young plants thinned to 6 inches apart. Grows about a foot high. Young leaves are used as salad; the stalk eaten raw or cooked. Pkt. 15 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.



Corn, Golden Bantam. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts.

We have an excellent line of Sweet Corn, and recommend that you try some of the hybrid varieties developed in recent years for disease resistance and high yields.



Celery, Golden Plume or Wonderful
Pkt. 10 cts., oz. 80 cts.

Celeriac or Turnip-Rooted Celery
Large Prague. Pkt. 10 cts., oz. 70 cts.



Corn, Golden Evergreen
 $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts.



Corn, Marcross C13.6. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts.

SWEET CORN

Do not make the first sowing until the soil is warm and comparatively dry—the middle of May is usually the earliest it is safe to sow Corn in this section. Plant every 2 weeks until early July. It can be grown in hills or in rows. Hills are placed 2 to 3 feet apart each way, dropping about six seeds in each hill and, when the plants are about 8 inches high, pulling out all but the three or four strongest. Rows are spaced $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart and the plants thinned to stand 12 to 15 inches apart in the rows. In planting, cover the seed about 2 inches deep. In order that the ears may develop perfectly they must receive plenty of pollen from near-by stalks; consequently, it is always best to plant Sweet Corn in several short rows, side by side, rather than in one or two long rows. If you want to enjoy Sweet Corn far sweeter and richer than any you have ever been able to buy, grow it yourself and pick it just before it is to be cooked.

*One pint of seed will plant about 150 hills or 300 feet of row;
6 to 8 quarts will plant an acre*

Hybrid Sweet Corn

Hybrid varieties can be depended on to produce crops of better quality and larger yields. They are extremely uniform in ear characteristics and in maturity and are resistant to disease.

Spancross C 13.4. 72 days. An early golden yellow variety of good quality and yield. Ears slender, 10 to 14-rowed and well filled, uniform and attractive. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Marcross C 13.6. ★ 74 days. An outstanding early variety. Large, thick ears and very uniform. Kernels golden yellow and of good quality. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Golden Rocket. 75 days. One of the earliest of the hybrids and of fine quality. Ears about 8 inches long, 10 to 14-rowed, with medium yellow kernels. Stalks about 6 feet tall. A really good early hybrid. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Carmelcross. ★ 80 days. Fine 8-inch ears with 10 to 14 rows of deep yellow kernels of super quality. Wonderfully sweet. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Lincoln. ★ 85 days. Ears large, 12 to 16-rowed and of good quality. Kernels bright golden and narrow. Desirable for both home and market use. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Marcross P 39. 85 days. A very productive main-crop variety. Kernels a golden yellow. Characters about the same as Golden Cross Bantam but slightly shorter ear. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Ioana. 87 days. Very productive and highly resistant to wilt. Ears 7 to 8 inches, 12 to 14-rowed, well filled with light yellow kernels. Excellent for home-gardens. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Erie. 88 days. A high-yielding variety of delicious flavor. Ears are about 9 inches long, 12 to 14-rowed, with light yellow kernels. Stalks about 6 feet tall, bearing ears high on the stalk. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Golden Cross Bantam. ★ 88 days. Ears 10 to 14-rowed, $7\frac{1}{2}$ to 8 inches long, and of excellent quality. Kernels light yellow, medium in width and depth. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Whipcross. 90 days. Ears 7 to 8 inches long with 14 to 16 rows well filled with dark yellow kernels. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Golden Evergreen Hybrid. ★ 95 days. Kernels golden yellow, medium wide and deep, sweet and of fine quality. Ears average about 10 inches long, 14 or 16-rowed. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

Stowell's Evergreen Hybrid. 95 days. The leading white hybrid variety. Ears extra-large, often 9 inches long, with 14 to 18 rows of deep, narrow, white kernels of fine texture and flavor. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$5.75, bus. \$21.00.

NOTE: One pint of Corn weighs about $\frac{3}{4}$ pound, one quart about $1\frac{1}{2}$ pounds, and one bushel about 48 pounds.

Open Pollinated Varieties

Early Varieties

Burbank's Bantam. ★ 70 days. The ear is 7 to 8 inches long, with 12 to 16 rows of delicious yellow kernels. The earliest of the yellow varieties. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Golden Sunshine. ★ 75 days. An improvement on Golden Bantam in that the ears are an inch longer and 12-rowed instead of 8-rowed. A very popular variety because of its sweetness and flavor combined with its extreme earliness. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Golden Bantam. ★ 80 days. For many years the most popular variety in the country—a distinction which it still retains and deservedly so, for no other variety can surpass it for quality and sweetness. The ears are slender, about 6 inches long, and well filled with golden kernels of the most delicious flavor. Everyone likes Golden Bantam. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Medium-Early Varieties

Barden's Wonder Bantam. 85 days. A strain of Golden Bantam. Ears 8-rowed, about 8 inches long; kernels rich golden yellow, deliciously sweet and tender. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Golden Giant. ★ 85 days. As sweet, tender, and rich in flavor as the famous Golden Bantam, practically as early, more productive, and much larger. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Howling Mob. ★ 85 days. Unusually large ear for so early a sort and not surpassed in quality by any other white Sweet Corn. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Whipple's Early White. 85 days. Matures about a week later than the small extra-early sorts. Ears 8 to 9 inches long with 16 or 18 rows of pearly white and sweet grains. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Whipple's Early Yellow. ★ 85 days. Ears about 7 inches long with 12 or 14 rows of golden yellow kernels, fairly deep, sweet and of delicious flavor. Popular home and market-garden variety. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Black Mexican. 88 days. The ears are of good size with broad kernels which are bluish white when they reach the edible stage and turn violet when cooked. Very sweet and tender. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Early Evergreen. 90 days. Not quite so tall but several days earlier than Stowell's, bearing large ears of typical Evergreen type and quality. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Late Varieties

Country Gentleman. 95 days. Fine rich flavor. The ears are 7 to 8 inches long with long, narrow kernels set densely and irregularly on a very small cob. Often called "Shoe-Peg." Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Golden Evergreen. ★ 95 days. Also known as Bantam Evergreen. One of the best of the medium-late varieties. Ears 8 to 9 inches long, 12 to 14-rowed; kernels rich golden yellow, deep, tender, sweet and of excellent quality. Remains tender and sweet for a long time after it reaches full size. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Late Mammoth. ★ 100 days. Noted for its exceptionally large ears, which are often 12 inches long. Ears are well filled with 14 or more rows of deep, white narrow kernels. $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

Stowell's Evergreen. ★ 100 days. The ears are 8 to 10 inches long with 16 or 18 rows of very deep, white sweet kernels. It remains tender and sweet for a long time. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 70 cts., pk. \$4.00, bus. \$14.00.

CUCUMBERS

For an extra-early crop, start indoors or in a frame about April 1, sowing the seed in paper pots or dirt-bands and transplant to the garden the latter part of May, disturbing the roots as little as possible. Sow the main crop directly in the garden late in May, and, for a continuous supply, make additional sowings every two weeks up to the middle or latter part of July. Prepare hills 4 to 6 feet apart, digging up the soil to a depth of a foot or more and mixing in plenty of manure or compost. Leave the soil in the hills loose and a little higher than the general level of the garden. Sow eight to ten seeds in each hill and thin out all but the strongest three or four plants. Do not disturb the vines after they have started to spread. If the striped beetles interfere with the development of the young plants, spray them with Nicotine Pyrox or dust with Rotenone Dust. See insecticide pages.

An ounce of seed will plant about fifty hills; 2 pounds of seed will be required for an acre

A and C. ★ 68 days. Fruits deep green color, slightly tapered at neck and moderately pointed, 8 to 9 inches long; white spined. Especially recommended for market-gardeners. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Black Diamond. 60 days. The earliest White Spine Cucumber. Fruits dark green, 7 to 8 inches long, perfectly smooth, of handsome appearance. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Cubit. 70 days. Fruits about 8 inches long, dark green, white spined, and smooth. They hold their attractive color to larger size than most other varieties. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Davis Perfect. ★ 62 days. A dependable producer of very long, slender fruits which are rich dark green in color and of finest quality. It holds its deep green color for a long time. Very popular with home-gardeners. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Early Fortune. 62 days. Long, slender fruits, deep green in color and exceedingly uniform in size and shape, with crisp, firm flesh and few seeds. Early. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Burpee Hybrid. 60 days. An extremely prolific variety. Fruits about 8 inches long and $2\frac{1}{2}$ inches wide; of excellent quality. Disease resistant. Pkt. 25 cts., $\frac{1}{2}$ oz. \$2.75, oz. \$5.00.

Improved Early White Spine. ★ 60 days. Extra early and prolific. Produces medium-sized, light green fruits of fine quality for slicing or pickles. A popular variety because of its quality and productiveness. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Klondike. 65 days. Unusual dark green color which it holds for a long time even under the hottest sun. Fruits of good size and shape. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Japanese Climbing. 65 days. A good Cucumber for the small garden as the vines can be trained on fence or trellis; in fact, it requires some sort of support. Fruits long and thick, crisp, tender and of fine quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Long Green Turkey. ★ 70 days. Very productive. Fruits 12 to 14 inches long, straight and slender, slightly warted, dark green with crisp white flesh. Desirable for home-gardens because of its slicing qualities. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Longfellow. ★ 70 days. Fruits 12 to 15 inches long, dark green, uniform, straight, and attractive, holds color and crispness well after being picked. Not as heavy a bearer as some varieties but this is overcome by the quality, attractiveness and size of the fruit. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

Marketer. 70 days. An excellent market variety. Fruits dark green, about 8 inches long, tapered slightly at ends. Vines vigorous and prolific. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Straight-8. ★ 65 days. The Cucumbers are straight, 8 to 10 inches long, smooth, and deep green in color. The flesh is crisp, white, and of fine quality. A heavy yielder and one of the leading varieties for market-gardeners. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Pickling Varieties

Jersey Pickling. ★ 62 days. The fruits are slender and tapering, growing 6 inches long, medium green in color. Extremely prolific. A standard pickling variety for many years. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Green Prolific. 58 days. Also known as Boston Pickling. For small pickles. Produces short, thick, bright green fruits, smooth and symmetrical. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Heinz Pickle. 60 days. A dependable plant that bears excellent crops of well-formed fruits when other varieties fail. The Cucumbers are blunt at both ends, dark green, and get large when mature. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

National Pickling. ★ 55 days. A high-yielding variety especially bred for pickling in the small sizes. Fruits deep green, straight, symmetrical, blunt-ended, but not chunky. Pack without waste space. Makes firm, crisp pickles. The leading variety with market-gardeners. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

West India Gherkin, or Bur. 60 days. Not a true pickle but used for pickling. The vines are luxuriant, bearing quantities of small, nearly round fruits, light green and covered with spines. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.50.

CORN SALAD

A hardy, quick-growing plant, popular as a substitute for lettuce in late fall and early winter. Sow the seed early in the fall in shallow drills, and give plenty of water. Late plants, covered with a light mulch of straw or leaves, will be suitable for use in early spring.

An ounce of seed sows about 100 feet of drill

Large-seeded. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

CRESS

(For peppery salads and garnishes)

Fine-Curled Pepper Grass. Sow the seed any time from early spring on. It need not be grown in rows and requires no thinning. The leaves can be cut several times before the plants begin to form seed. Make sowings every week or ten days, a small patch at a time, for a continuous supply. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Water Cress. (True.) Grows in damp places. Sow the seed in shallow water along the bank of a stream. No further care is required after sowing. Pkt. 15 cts.

CARDOON

Grown somewhat like celery and served like asparagus. Large, fleshy plants used as a winter vegetable. The blanched stalks and ribs of the inner leaves are tender and of a fine flavor when cooked. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00, lb. \$10.00.

COLLARDS

Georgia, or Southern. Non-heading form of the cabbage family. Largely grown for "greens" in the southern states. Sow outdoors in the spring and give the plants plenty of room to develop. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

POP-CORN

Golden Queen. Large golden yellow kernels. Pops pure white. Lb. 30 cts., 2 lbs. 55 cts.

White Rice. The most popular sort for general use. Productive; popping quality excellent. Lb. 30 cts., 2 lbs. 55 cts.

★ WHEN IN DOUBT, ORDER THE STAR VARIETIES



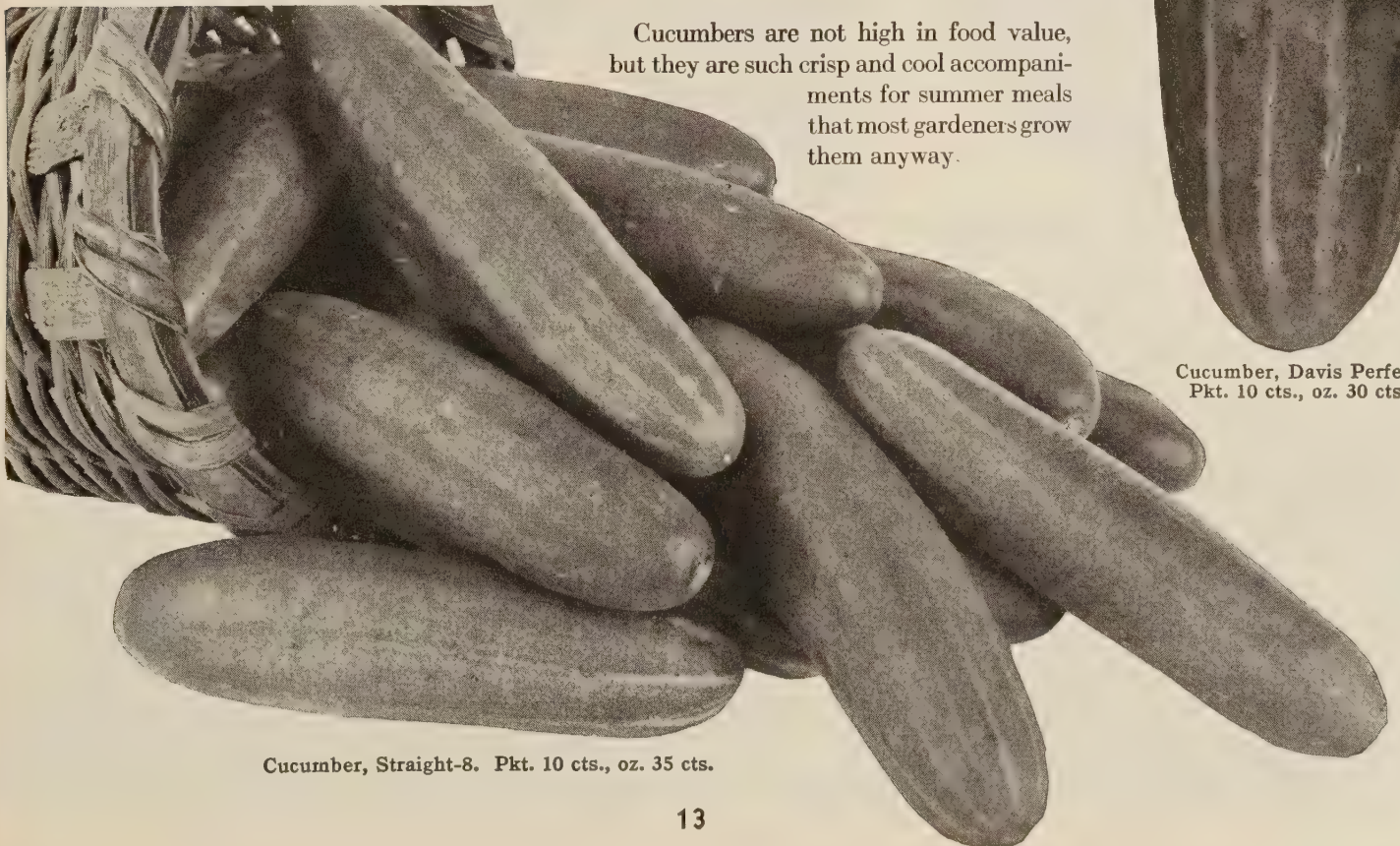
Collards, Georgia or Southern
Pkt. 10 cts., oz. 15 cts.



Corn Salad, Large-seeded. Pkt. 10 cts., 1/2 oz. 25 cts.



Cucumber, National Pickling. Pkt. 10 cts., oz. 30 cts.



Cucumbers are not high in food value,
but they are such crisp and cool accompani-
ments for summer meals
that most gardeners grow
them anyway.

Cucumber, Davis Perfect
Pkt. 10 cts., oz. 30 cts.

Cucumber, Straight-8. Pkt. 10 cts., oz. 35 cts.

EGGPLANT

Start the seed in March, in hotbeds or boxes indoors. Push the seedlings along with plenty of light, heat, and moisture, and when they are about 3 inches high, transplant them to 3 to 4-inch paper pots or dirt-bands. Set out in the garden about June 1, spacing 2 to 2½ feet apart each way. Disturb the roots as little as possible in transplanting, and water freely. Days to maturity are from the time the plants are set in the garden. Allow about 50 days to produce the plants from seed.

An ounce of seed will produce about 2,000 plants

Black Beauty. ★ 80 days. Fruits are of enormous size, smooth, purplish black, and of fine quality. Very prolific and the leading variety for both home and market-gardeners. Pkt. 10 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

New Hampshire Hybrid. 75 days. Pear-shaped fruit of dark purple. Very early and a heavy producer. For home and market. Pkt. 10 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

New York Improved Spineless. 85 days. Large, smooth, dark purple fruits of good quality, six to eight fruits to the plant. Free from spines and of excellent quality. Pkt. 10 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

ENDIVE

Sow the seed any time from early April to the end of July. Plant in shallow drills, about 15 inches apart, and thin the plants to stand 10 to 12 inches apart in the rows. When full grown, tie the tips of the outer leaves together over the center of the plant to blanch the heart, which will take about a week's time.

An ounce of seed will sow 300 feet of row; 3 pounds will sow an acre

Full Heart. ★ 90 days. An improved strain of Broad-leaved with larger leaf and broader, more compact head. Partially self-blanching. Very good quality. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.00.

Broad-leaved (Escarolle). 90 days. The leaves are broad and quite thick and heavy, slightly twisted and scalloped. Medium green in color. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.00.

Florida Deep Heart. 90 days. An improved strain with large, broad, thick leaf of upright growth. Blanching easily and of good quality. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.00.

Green Curled. ★ 90 days. The plants are large and handsome, with finely cut and fringed, dark green leaves. Blanching easily to clear white. Good fall variety. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.00.

Large Curled Pancalier. 90 days. A vigorous grower with thick curled leaves and midribs tinged with rose. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.00.

White Curled. 90 days. Foliage is a little finer than the Green Curled and the inner leaves become creamy white without blanching. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.00.

DANDELION

If the leaves are tied together, the center of the plant will blanch as white and clear as endive. Sow the seed early in shallow drills, in rich soil, and thin the plants to stand about 1 foot apart. If desired for early spring use, the seed may be sown later and the plants covered lightly over winter.

An ounce of seed will sow about 300 feet of drill

Improved French. Pkt. 20 cts., oz. \$1.00, ¼lb. \$3.00, lb. \$10.00

HORSE RADISH ROOTS

Maliner Kren. The largest and most vigorous variety. Plant in early spring in rich, moist soil. Will produce a good crop in one season. Roots, 50 cts. per doz., \$2.25 per 100, \$15.00 per 1,000.

HERBS

Grandmother's garden always had a little patch of herbs and, doubtless, much of the savoriness of grandmother's cooking as well as the effectiveness of her home remedies was derived from her store of "yarbs." Most of the commoner herbs are perennials, although they last but a few seasons in ordinary situations. Any odd corner will do, provided it is sunny and the soil not too hard or poor. Sow seed in early spring, thinning out as needed.

Anise. The seeds are used for flavoring candy and pastries, and the leaves for garnishing and adding to salads. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.50.

Balm. The lemon-scented leaves are used for making a medicinal tea, as well as for salads and flavoring vinegar and wines. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.50.

Basil, Sweet. A highly aromatic herb whose leaves and tops are used for seasonings and, in a limited way, in salads. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.

Basil, Sweet, Small-Leaf. An annual whose small leaves are valued for flavoring soups, etc. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.

Borage. An annual plant that is used freely by bee-keepers. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.00.

Caraway. The seeds of this plant are used for culinary purposes, in confectionery and also in medicines. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.50.

Chives. Used as a substitute for onions in soups and salads. Pkt. 25 cts., ½oz. 85 cts., oz. \$1.25.

Chervil, Curled. Leaves of Chervil very much resemble those of parsley and are used in a similar way. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.50.

Coriander. An annual whose seeds are strongly aromatic. Used in cooking and candy making. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.00.

Dill. An annual plant, seeds of which are used as a seasoning and also in the preparation of Dill pickles. The leaves are used for garnishing and in making vinegar. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.00.

Fennel, Florence. A very delicious salad vegetable. It can be served like celery or boiled. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.50.

Fennel, Sweet. The leaves are finely cut and are used for garnishing. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.

Horehound. Chiefly used for medicinal purposes, as it has strong tonic properties. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts.

Lavender. Dried flowers impart a pleasing odor to the contents of linen-chests. Pkt. 10 cts., ½oz. \$1.25, oz. \$2.00.

Marjoram, Sweet. Pleasingly fragrant leaves of particular value as a seasoning and in salads. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.00, ¼lb. \$3.00.

Peppermint. A perennial used for flavoring and for its pungent oil. Sold out.

Rosemary. Used for seasoning and flavoring meat. Pkt. 25 cts.

Rue. A medicinal plant of extremely pungent taste. Pkt. 10 cts., ½oz. 60 cts., oz. \$1.00.

Saffron. Cultivated for medicinal purposes. Pkt. 10 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$4.00.

Sage. An old familiar herb with a pungent odor. The dried leaves are commonly used to flavor stuffings and sauces. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.00.

Savory, Summer. Dried foliage used for flavoring during the winter months. Pkt. 10 cts., ½oz. 45 cts., oz. 75 cts., ¼lb. \$2.50.

Tansy. A 3-foot perennial with strongly scented yellow flowers. Used for seasoning and as a meat preservative. Pkt. 10 cts., ½oz. 85 cts., oz. \$1.50.

Thyme. The leaves and young branches are used for seasoning. Pkt. 10 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.50.

Wormwood. Has medicinal qualities. Pkt. 25 cts., ½oz. \$1.25, oz. \$2.00.



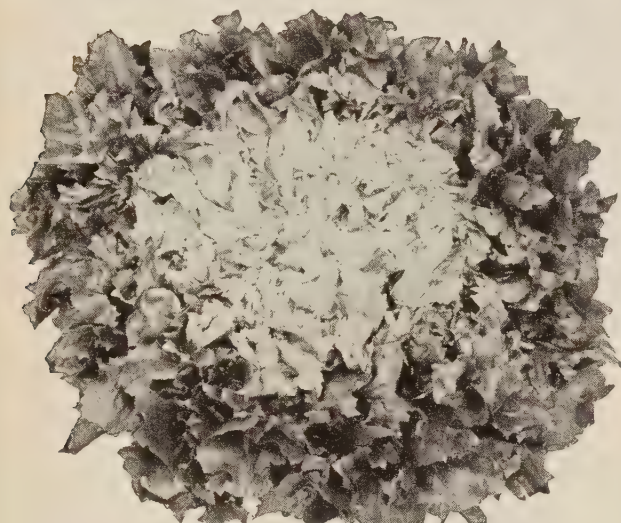
Endive, Green Curled. Pkt. 10 cts., oz. 25 cts.



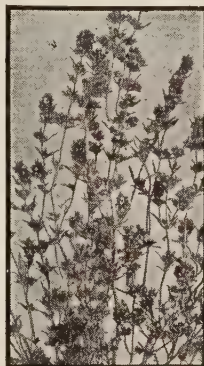
Dill. Pkt. 10 cts.



Lettuce, New York or Wonderful. Pkt. 10 cts., oz. 50 cts.



Endive, Broad-leaved (Escarolle). Pkt. 10 cts., oz. 25 cts.



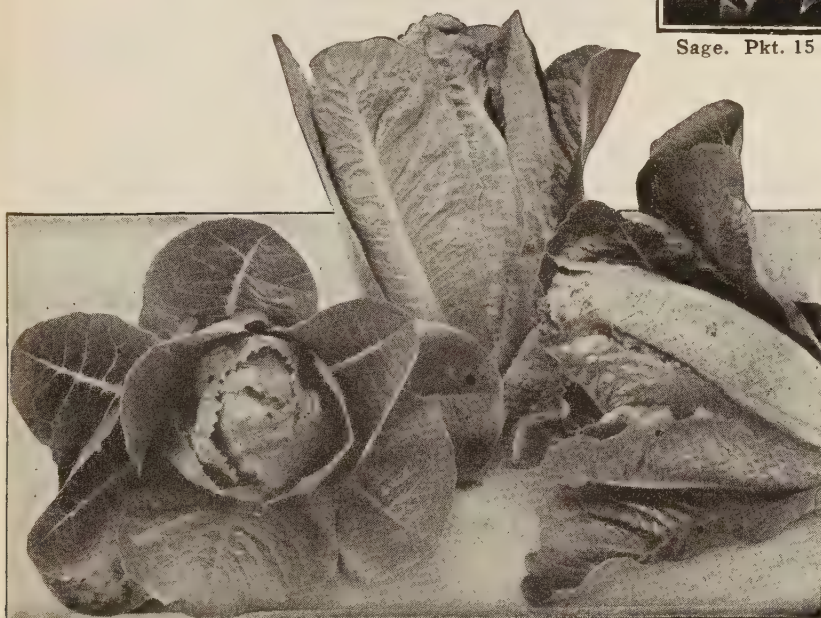
Sweet Marjoram
Pkt. 15 cts.



Eggplant, Black Beauty. Pkt. 10 cts., oz. 75 cts.



Sage. Pkt. 15 cts.



Lettuce, Dark Green Cos. Pkt. 10 cts., oz. 25 cts.



Lettuce, Black-seeded Simpson. Pkt. 10 cts., oz. 25 cts.

LETTUCE

By starting seed for the first crop in the hotbed or in flats in the house in February or early March, and by carefully choosing varieties which will furnish a succession of crops in the garden, one may have fresh Lettuce for the table from May to November. Make the first sowing outdoors as soon as the ground can be put in shape, making the seed-bed as fine and mellow as possible. Scatter the seed in shallow furrows at least 15 inches apart, and cover lightly. As soon as the plants are big enough, thin them out to stand 3 to 4 inches apart. Then, when they begin to touch each other in the row, use alternate plants, leaving them 8 to 12 inches apart. Cultivate constantly.

An ounce of seed will sow about 300 feet of row

Loose-leaved Varieties

All varieties of loose-leaved Lettuce are edible in about 45 days.

Black-Seeded Simpson. ★ The plants are large, with broad, beautifully crumpled and frilled leaves, light green in color and of good quality. Stands more heat than others of its class. The most popular variety of loose-leaved Lettuce. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Chicken. A hardy, tall-growing, non-heading, dark green variety, producing the largest amount of leaves of any Lettuce. Grown exclusively for feeding to poultry and rabbits. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Deer Tongue. A distinctly different Lettuce, crisp and tender. May be planted early and stands hot weather well. Pkt. 15 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.

Early Curled Simpson. Early, medium large, with yellowish green, crumpled and frilled leaves of excellent quality. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Grand Rapids. ★ An extremely early variety good for first spring crop in the garden; also grown in greenhouses for winter market. The plants are large, with bright green, intensely curled and crinkled leaves. Stands the heat well in summer. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Prizehead. A quick-growing sort with broad, crumpled, frilled, green leaves, tinged red on outside; crisp and sweet. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Heading Varieties

All heading varieties of Lettuce mature in 65 to 75 days.

Bibb. A small, early variety of butterhead type, with thick tender leaves, deep green outside blanched to creamy yellow. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

HEADING VARIETIES, continued

Big Boston. ★ Large, compact heads of rich buttery quality, but will not ordinarily "head up" for the home-gardener unless it is started indoors or sown very early so as to mature before warm weather. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Crisp-As-Ice. Makes a solid head of medium size. The outer leaves are dark bronzy green, crumpled and heavy in texture; inner leaves creamy yellow, crisp and sweet. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.

Great Lakes. ★ Heads crisp, cream-white. A superior summer variety but does equally well in cool weather. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.00.

Iceberg. Outer leaves light green, tinged with brown at the edges; inner leaves white, crisp, firm and sweet. Choice home-garden variety. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.

Imperial 44. ★ An Iceberg type particularly adapted to eastern conditions. The heads are solid, uniform, very crisp and of the finest quality. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.

Improved Hanson. ★ The plants are of good size; outer leaves medium green, somewhat crinkled; inner leaves blanched white. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

May King. An ideal sort for early spring planting. Solid heads of medium size, with light green outer leaves and rich golden yellow hearts. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

New York, or Wonderful. ★ It grows slowly but makes a fine heavy head. The outer leaves are dark green; the inner blanch to creamy white. The most popular variety of Iceberg-type Lettuce. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.

Oak Leaf. A distinct type of Lettuce. It forms a close center with rather loose outer leaves. The leaves are deeply lobed. Excellent late in the summer when other varieties are bitter. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.

Pennlake. Heads large, of excellent quality, crisp and very compact. It possesses heat tolerance and will not bolt. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Premier Great Lakes. ★ Heads solid, practically round and large, often weighing 2 pounds. Recommended for its earliness. Pkt. 15 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

White Boston. ★ An excellent variety of the Butterhead type. Head of medium size and compact, with creamy yellow heart. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

Dark Green Cos, or Romaine. Leaves green and when fully blanched are white with only the faintest tinge of green. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

White Paris Cos, or Romaine. ★ Heads medium large, medium green, upright, firm, exceptionally crisp, tender and of excellent flavor. Pkt. 10 cts., oz. 25 cts., ¼lb. 75 cts., lb. \$2.50.

KALE (Borecole)

Makes delicious "greens" for fall and early spring use. Sow seed in the open from early spring until the middle of August. The early sowings give fully grown plants, whereas the later sowings will furnish delicious small tender leaves. Sow seed in shallow drills and thin or transplant to stand about 2 feet apart each way. Late plantings can be sown broadcast like spinach. Light frost will not injure Kale but will improve its flavor.

*An ounce will sow about 300 feet of drill;
4 pounds will sow an acre*

Dwarf Blue Scotch. ★ 55 days. Dwarf, compact plants with finely curled bluish green leaves, retaining their color after cutting. One of the handsomest varieties. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1.00, lb. \$3.00.

Dwarf Curled Scotch. ★ 55 days. Extremely hardy and fine for early winter use. Grows 15 to 18 inches high and produces a heavy crop of beautifully curled, bright green leaves, tender and of fine flavor. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1.00, lb. \$3.00.

Dwarf German. 60 days. Low and compact in growth, with finely curled, yellowish green leaves. Nice for garnishing. Pkt. 10 cts., oz. 20 cts., ¼lb. 65 cts., lb. \$2.00.

KALE, continued

Tall Curled Scotch. 80 days. Like the dwarf form but grows about 2½ feet high. Hardy and particularly good for late planting. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1.00, lb. \$3.00.

KOHLRABI

Sometimes called Turnip-rooted Cabbage. Sow the seed in shallow drills in April, or for extra-early crop start in the hotbed in March. Thin or transplant the plants about 6 inches apart. Kohlrabi grows rapidly and should be used when about half grown, 2 to 2½ inches in diameter. Can be sown up to the middle of July.

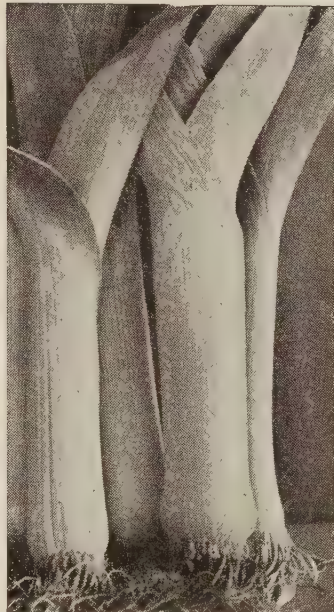
An ounce of seed will sow about 250 feet of drill

Purple Vienna. 60 days. A little later and larger than the White Vienna, and a reliable sort. Skin purple; flesh white. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$5.00.

White Vienna. ★ 55 days. The quickest growing and most popular kind for table use. Leaves few and small; bulbs of medium size with white skin and flesh, tender and of delicate flavor. Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.25, lb. \$4.00.



Kohlrabi, White Vienna
Pkt. 10 cts., oz. 50 cts.



Leek, Large London Flag
Pkt. 10 cts., oz. 75 cts.

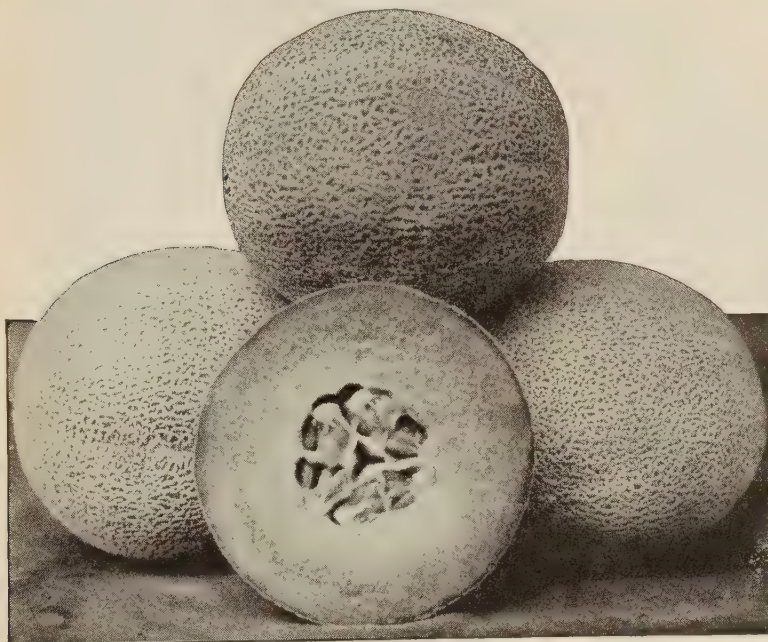


Kale, Dwarf Curled Scotch. Pkt. 10 cts., oz. 35 cts.

On this page are pictured some of the less-common vegetables such as Kale, Kohlrabi, and Mustard. Try some of them this year, and you will probably be delighted with the new flavors that will find their way to your table.



Mustard, Southern Giant. Pkt. 10 cts., oz. 20 cts.



Muskmelon, Tip-Top. Pkt. 10 cts., oz. 40 cts.



Watermelon, Cole's Early. Pkt. 10 cts., oz. 30 cts.

MUSKMELON or Cantaloupe

Sow the seed after the soil has warmed up in hills 5 to 6 feet apart, digging the soil to a depth of a foot and mixing in plenty of manure or fertilizer with the bottom soil. No more than 3 or 4 strong plants should be left in each hill. Since Muskmelons require a long growing season, it is a good plan to start the seed in a hotbed or box indoors, using dirt bands or pots, and setting them in the garden after the soil has become warm.

*An ounce of seed will plant about 50 hills;
2 to 3 pounds will plant an acre*

Emerald Gem. ★ 85 days. An early, prolific melon. The fruits are small, decidedly flattened and deeply ribbed; the skin is dark green and the flesh is unusually deep and solid, bright orange in color clear to the rind, and of remarkably fine quality. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Extra-Early Hackensack. 80 days. A large, round melon, slightly flattened at the ends. The skin is ribbed and netted; the flesh is thick, light green in color, and of good quality. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Honey Dew. 110 days. The fruits are very large, with thin, hard, smooth, pale green rind and thick green flesh which remains firm and crisp for a long time. Juicy and tender. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Honey Rock. 85 days. Skin gray-green, covered with coarse, sparse netting. Flesh orange-salmon, thick and juicy, with very fine flavor. Good for home use and local early markets. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Imperial. ★ 90 days. Netted yellow fruit with orange flesh. A fine cropper, even in hot, dry seasons. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Osage, or Miller's Cream. 95 days. The fruits are large, slightly elongated, with lightly netted dark green skin and thick, firm, orange flesh. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Rocky Ford. 90 days. The fruits are medium small, oval in shape, slightly ribbed and covered with a coarse, gray netting. Flesh green and remarkably sweet. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Tip-Top. ★ 90 days. Probably the most dependable melon for this region. Medium early and productive, bearing large, round, ribbed and netted fruits with thick, sweet, orange flesh. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

MUSHROOMS

Anyone who has a cellar or dark room where the temperature can be kept at from 50 to 60 degrees, can grow Mushrooms of surpassing tenderness and flavor. We furnish special printed directions free with each order, or for 25 cents we will send, post-paid, an illustrated booklet on Mushroom culture which gives the latest improved methods of growing as well as full instructions for preparing for market and recipes for cooking.

Spore-Culture Mushroom Spawn, Northern-Grown. Pure and vigorous. In the form of compressed bricks, each of which will plant about 16 square feet of bed. Brick 40 cts., 10 bricks \$3.50, 50 bricks \$15.00, 100 bricks \$28.00.

LEEK

Sow the seed in shallow drills early in the spring and when the plants are about 5 inches high, transplant them 6 to 8 inches apart in rows, and cultivate frequently. At the time of transplanting it is a good plan to cut back the plants a third. The stalks are best when blanched by drawing earth up around them.

An ounce of seed will sow 300 feet of row; 2 pounds will produce sufficient plants for an acre

Large London Flag. 140 days. The hardiest and most generally cultivated variety. Broad stalks of strong flavor. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Musselburg. 140 days. Grows larger and is milder in flavor than the preceding. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

WATERMELON

In general, Watermelons require the same treatment as muskmelons. It is not safe to sow seed outdoors until the last of May. Prepare the hills carefully, spacing them 6 to 8 feet apart and digging them deep, mixing in each a couple of shovelfuls of manure or a little commercial fertilizer. Thin to 2 or 3 plants in each hill. Water freely in dry spells.

An ounce will plant about 20 hills; 4 pounds will plant an acre

Cole's Early. ★ 80 days. The best variety for home-gardens. Fruits medium size, almost round, with alternate dark and light green stripes. Flesh rich red, firm, fine grained and of good sweet flavor. Seeds black. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Kleckley Sweets. 85 days. The fruits grow about 20 inches long and 10 inches in diameter, with thin green rind and bright scarlet flesh. White seeds. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Sweetheart. ★ 85 days. Large, heavy fruits, nearly round, with a thick, mottled light and dark green rind and firm red flesh. Black seeds. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Tom Watson. 95 days. Fruits 24 inches long and about 12 inches in diameter, with a thin, tough, mottled green rind and rich red flesh of good quality. Brown seeds. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

CITRON

A form of melon used only for preserving, as the flesh is not edible when raw. Citrons are grown in the same way as watermelons; they are prolific and not so particular as to soil. Home-preserved Citron is much superior to that handled in the stores in a dried or candied form.

Green-Seeded. 90 days. Also called "Colorado Preserving." Fruits large and oblong. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Red-Seeded. 90 days. Flesh firm, with comparatively few seeds. Fruits round. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

MUSTARD

The young, tender leaves make piquant salads and are delicious as well as healthful as boiled "greens." Seed can be sown any time from April 1 to the middle of August. Sow thinly in shallow drills 12 to 15 inches apart. Mustard can also be forced in frames or in the greenhouse during winter.

An ounce of seed will sow about 200 feet of drill

Fordhook Fancy. 40 days. A dark green variety of robust growth, more curled on the edges than any other sort. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Southern Giant Long Standing. ★ 35 days. The plants grow 2 to 3 feet high, producing quantities of broad, succulent leaves which are handsomely curled and fringed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Spinach Mustard, Tendergreen. 30 days. A rapid-growing Mustard with narrow, thick, dark green leaves. Has a delicious spinach flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

OKRA or GUMBO

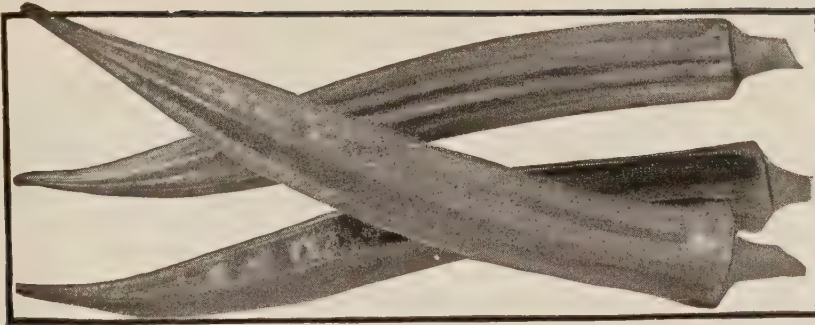
Grown for its seed-pods, which are pickled when young, before they get tough, and used for flavoring and thickening soups. Sow late in May, in drills about an inch deep and $2\frac{1}{2}$ feet apart and thin out to about 1 foot apart in the row.

One ounce will sow about 100 feet of row

Clemson Spineless. ★ 55 days. Pods rich green, angular, ridged, and spineless. Tall growing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Long Green. ★ 60 days. Pods deep green, averaging 6 to 7 inches in length at the edible stage. Tall growing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

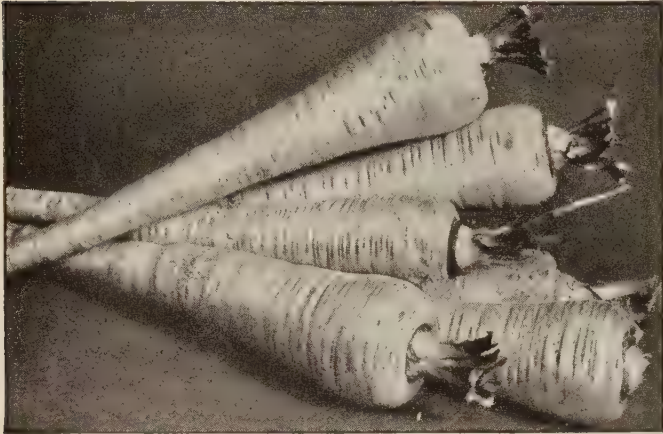
White Velvet. 65 days. Pods of medium size, light green. Very productive. Low growing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Okra, Long Green. Pkt. 10 cts., oz. 20 cts.



Parsley, Double-Curled. Pkt. 10 cts., oz. 20 cts.



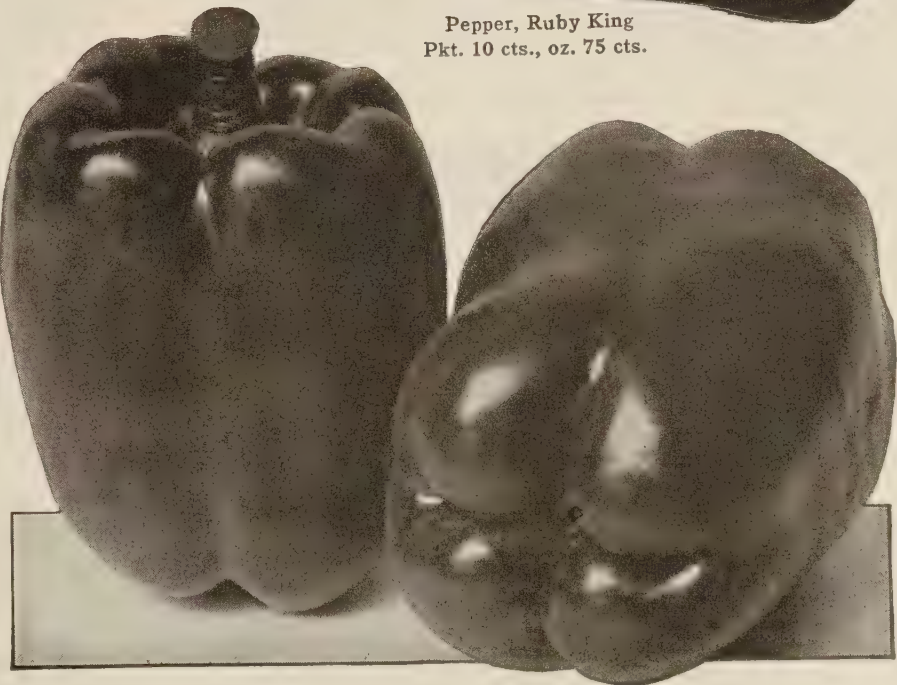
Parsnip, Hollow Crown. Pkt. 10 cts., oz. 25 cts.



Pepper, Ruby King
Pkt. 10 cts., oz. 75 cts.



Hot Pepper, Hungarian Wax.
Pkt. 10 cts., oz. 75 cts.



Pepper, California Wonder. Pkt. 10 cts., oz. 75 cts.

ONION

Green Onions from Seed. Easily grown from seed sown in fine, well-prepared soil early in the spring. Sow thinly in rows 12 to 15 inches apart, covering the seed with about $\frac{1}{2}$ inch of soil. Onions are ready in about 50 days. An ounce of seed will sow about 100 feet of row; 5 to 6 pounds will sow an acre.

Dry Onions from Seed. If possible sow seed in hotbeds in March, thinning the seedlings enough to prevent crowding. Transplant to the open ground in April or May, spacing them 3 to 4 inches apart, depending on variety. If hotbeds are not available sow the seed in the garden as early as the soil can be put in shape. Thin promptly. An ounce of seed will sow about 300 feet of row; 2 to 3 pounds will sow an acre.

Days given are from sowing of seed to dry Onion stage

Ailsa Craig. 105 days. One of the largest Onions grown. Globular in form, with pale straw-colored skin and crisp white flesh very mild in flavor. A heavy cropper and an excellent keeper. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Crystal White Wax. 95 days. A mild and sweet Onion of the Bermuda type. Excellent for slicing. Bulbs medium sized and flat; flesh white, sweet and of delicious flavor. Not suitable for long storage. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Large Red Wethersfield. 110 days. Standard late variety of splendid keeping quality. Bulbs large, flat but rather deep; skin deep purplish red; strong white flesh with faint pink flush. Excellent for sets and for mature bulbs. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Prizetaker. ★ 105 days. A fine selection of the giant Spanish Onion, which will, if planted early, produce bulbs 4 inches or more in diameter. It makes handsome, uniform, globe-shaped bulbs with thin, pale yellow skin and mild, sweet, white flesh. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Southport White Globe. ★ 115 days. The largest and handsomest of the white Onions, also the best keeper. The bulbs are uniformly globe-shaped with pure white skin and fine-grained, solid flesh of sweet, mild flavor. One of the best varieties for green Onions. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

White Bunching. ★ A very quick-growing Onion of mild flavor. Grown almost exclusively for an early bunching or "green" Onion. Skin and flesh pure white. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

PARSLEY

Used mostly for seasoning and garnishing. Seed should be sown as early in the spring as possible, as it is very slow to germinate. Sow thinly in rows about 15 inches apart and cover about $\frac{1}{2}$ inch. Use the outer branches and it will continue to produce all season.

An ounce of seed will sow 200 feet of row; 8 pounds will sow an acre

Champion Moss Curled. Leaves attractively crimped and curled. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Double-Curled. ★ Unusually rich dark green foliage, tightly curled. Ideally suited for home and market-gardens. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Hamburg Parsnip-rooted. ★ Grown for its roots, which resemble parsnips and are highly flavored; useful in soups and stews. Can be stored for winter use. Sow in rows 15 inches apart and thin to stand 3 to 4 inches apart in the row. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Paramount. An improved strain of curled Parsley with unusually dark green, densely curled foliage. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Plain or Single. ★ The leaves are deeply cut but not curled. Stronger flavor than the curled, and preferred for soups, etc. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

White Portugal, or Silverskin. 100 days. Most widely used white Onion for sets, pickling Onions, mature bulbs and for green Onions from seed. Bulbs of medium size, flat but fairly deep, pure white; flesh fine grained, firm and hard. A splendid keeper. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

White Sweet Spanish. 110 days. Similar to Yellow Sweet Spanish in type, but having clear white skin and white flesh. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Yellow Globe Danvers. ★ 110 days. Productive and medium early; bulbs large, solid, nearly globe-shaped, with yellowish brown skin and pure white flesh, crisp, sweet, and mild in flavor. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Yellow Sweet Spanish. 110 days. A popular large yellow variety of Spanish origin. Globular in shape with golden yellow skin and clear white flesh. Very sweet and of pleasing flavor, firm and mild. Good winter keeper. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

ONION SETS

By starting with sets, small green Onions can be produced very early and large dry Onions can be harvested sometime during August. Plant sets as soon as the ground is ready in rows about 15 inches apart and 1 inch deep. For green Onions, space them 1 inch apart in the row, and for dry Onions about 3 inches apart.

Our sets are grown especially for us in the best Onion-set-growing section of the country. They are well cured, dried and carefully machine cleaned, graded and sized on the most modern equipment.

Yellow. Qt. 25 cts. **White.** Qt. 30 cts., postpaid.

Garlic Sets or Bulbs. Qt. 75 cts.

Prices on larger quantities quoted on request

BERMUDA ONION PLANTS

These are field-grown plants, grown out-of-doors in the South during the winter, and are perfectly hardy and ready to plant early. Mature Onions are flat and of medium size; flesh mild, sweet and of delicious flavor, making an excellent slicing Onion.

Available April 1 to June 1

1 bunch (75 to 100 plants) 35 cts., 10 bunches \$3.00, postpaid.

PARSNIP

Parsnips must be sown in the early spring as soon as the ground can be prepared. Sow the seed $\frac{1}{2}$ inch deep in rows about 15 inches apart, and when the plants are well up thin to 3 to 4 inches apart. The roots mature in the fall and, being perfectly hardy, may be left in the ground all winter, to be dug as needed. Their flavor is improved by freezing.

An ounce of seed will sow 200 feet of drill; 5 pounds will sow an acre

All-American. The white roots are large and broad-shouldered, of medium length and fine texture, with small core. Very free from side rootlets. An excellent variety. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Hollow Crown. ★ Long, smooth roots with white skin and fine-grained flesh. Most commonly used of all varieties. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

The cost of the vegetable seed is such a small part of the total investment made in your garden that it pays to plant the very best. Make your time and labor count by planting Scott seeds.

PEPPER

Peppers require a moderately rich and light soil, a long growing season, and plenty of warmth at all stages. Grow them like egg-plants, starting the seed indoors or in the hotbed in March, transplanting to pots or dirt-bands when the second or third leaf has developed. Set the plants in the garden early in June in rows $2\frac{1}{2}$ to 3 feet apart and spaced 2 feet apart in the row. Days to maturity are figured from the time the plants are set in the garden.

An ounce of seed will produce about 1,500 plants

Sweet Peppers

California Wonder. ★ 75 days. Peppers are of good size, with heavy thick walls, sweet, tender and of excellent flavor. The skin is very smooth, glossy green, turning to bright crimson when ripe. The best all-round sweet Pepper. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Calwonder, Early. 67 days. An early strain of California Wonder but fruits slightly smaller. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Chinese Giant. 80 days. The largest of all Peppers, often measuring 5 inches in length and diameter. Flesh thick and very mild and sweet; deep red when ripe. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Early Giant. 65 days. Large, early variety about 4 inches long by 3 inches through. It is deep green, turning to red, and of sweet flavor. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Golden Queen. 80 days. The largest and finest yellow-fruited Pepper. Very heavy, meaty, and strictly mild. Glossy golden yellow skin. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

King of the North. 65 days. Very early, productive, mild and sweet. Fruits enormous, 5 inches long and 3 inches through; dark green coloring to a bright red earlier than any other large variety. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Pimiento. 75 days. Fruits are heart-shaped, smooth, dark green changing to crimson; flesh thick, sweet and mild. Grown for canning whole. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

Ruby Giant. ★ 75 days. Thick-fleshed and one of the largest of the early sweet Peppers. Deep green, changing to rich red when ripe. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

Ruby King. 68 days. Early and productive. Dark green turning to bright red at maturity, averaging 4 inches in length and 3 inches in diameter, tapering to a blunt point. The flesh is thick and sweet. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Squash or Tomato. 75 days. Flesh thick and mild; shaped like a tomato; 2 to 3 inches in diameter. Glossy green changing to deep red at maturity. Generally used for canning and pickling. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

World Beater. ★ 75 days. Fruits large, oblong, deep green becoming bright deep red; thick flesh, mild and sweet. Plants very productive. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

Hot Peppers

Anaheim Chili. 80 days. Late, hot variety for canning and drying. Fruits 6 to 8 inches long, 1 inch diameter. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Bull Nose. ★ 70 days. Scarlet when mature; medium size, square and blunt-pointed. Generally considered sweet but is sometimes quite hot. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

Hungarian Wax. ★ 60 days. Fruits about 5 inches long and $1\frac{1}{2}$ inches in diameter at stem end, tapered; waxy yellow and red when ripe. Hot. Desirable for both home-and market-gardeners. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

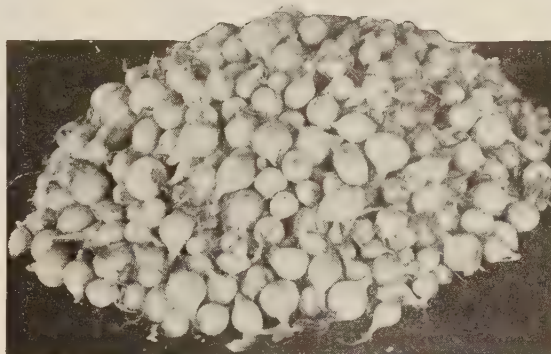
Large Red Cherry. 82 days. Fruits erect, round or cherry-shape; very hot. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.00.

Long Red Cayenne. ★ 70 days. Pods about 6 inches long, slender and pointed, dark green turning to bright scarlet; flesh very hot in taste and pungent in odor. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.

Red Chili. 82 days. Fruits about $2\frac{1}{2}$ inches long, $\frac{3}{8}$ inch in diameter at shoulder, and tapering to point. Light green turning to deep red; thin fleshed. A really hot variety. Used extensively for Pepper sauces, pickling and drying. Pkt. 10 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.00, lb. \$6.00.



Onion, Yellow Globe Danvers
Pkt. 10 cts., oz. 50 cts.



Onion Sets. Yellow, qt. 25 cts., White, qt. 30 cts., postpaid



Onion, Southport White Globe in Bunching Stage
Pkt. 10 cts., oz. 60 cts.

GARDEN PEAS

Peas can be sown very early in the spring, the early smooth-seeded varieties even as early as March 1. For the first sowings use the smooth or round-seeded sorts, but after the first of April change to the wrinkled kinds which, although not so hardy, are much superior in quality. Make additional sowings every two weeks up to June 1 for a continuous supply, but arrange to put the later plantings on deep, rich soil where you can conveniently water them during dry weather. Plant dwarf varieties in rows 2 to 2½ feet apart, tall varieties about 3 feet apart. Cover both kinds about 2 inches and thin to stand 3 inches apart in the row. The tall varieties do best for late planting, and while some people prefer to provide supports for them they are really not necessary.

For Increased Yield
Inoculate This Seed
with LEGUME-AID.

A pint of seed will sow 100 feet of row;
1 to 1½ bushels will sow an acre

Early Smooth-Seeded Peas

Alaska. 54 days. A very productive smooth Pea, long in favor with canners and home-gardeners for a first-early variety. About 2 feet tall; pods rather small, ripening all at once; Peas small and of medium quality. ½pt. 30 cts., pt. 50 cts., qt. 85 cts., pk. \$4.75, bus. \$17.00.

Mammoth-Podded Extra Early. 58 days. A very prolific early, smooth-seeded variety valuable for its large pods. Vines medium dark green, 30 inches tall; pods 3 inches long, medium green, with 6 to 7 Peas in each pod. Popular in many home and market-gardens. ½pt. 30 cts., pt. 50 cts., qt. 85 cts., pk. \$4.75, bus. \$17.00.

Market Surprise. 54 days. An extra-early sort, growing about 2½ feet tall. It is about the same season as Alaska, but the pods are larger and Peas of better quality. ½pt. 30 cts., pt. 50 cts., qt. 85 cts., pk. \$4.75, bus. \$17.00.

Early Wrinkled-Seeded Peas

Gradus, or Extra-Early Telephone. 62 days. A grand old standby and a most dependable producer. Vines 3 feet high; pods about 4 inches long, broad and slightly curved, containing 7 to 9 Peas of excellent quality. ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Laxtonian. ★ 64 days. Also known as Blue Bantam. A dwarf, heavy-yielding variety that bears over a long season. Pods are dark green and contain 7 to 8 large succulent Peas. Unequalled for its combination of extreme earliness, superb quality, and unusual productiveness, and the best all-round variety for both home and market-gardens. Pkt. 10 cts., ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

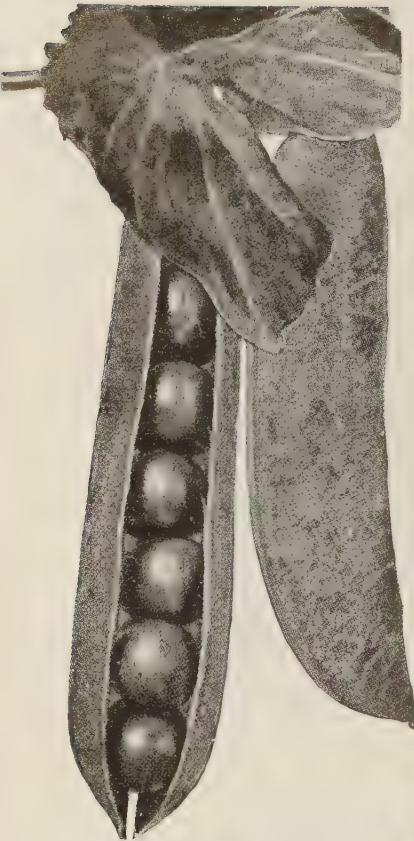
Laxton's Progress. ★ 62 days. Slightly larger podded than Laxtonian. The Peas are deep green, of excellent flavor, fully wrinkled, and average 9 or 10 to the pod. Grows 18 inches high. Desirable for both home and market-gardens. ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Little Marvel. ★ 62 days. The vines grow about 18 inches high and bear big crops of 3¼-inch pods, containing large Peas of excellent flavor. It is unsurpassed by any other variety in its class and is the variety we recommend for home-gardens. A desirable variety for deep freezing. Pkt. 10 cts., ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

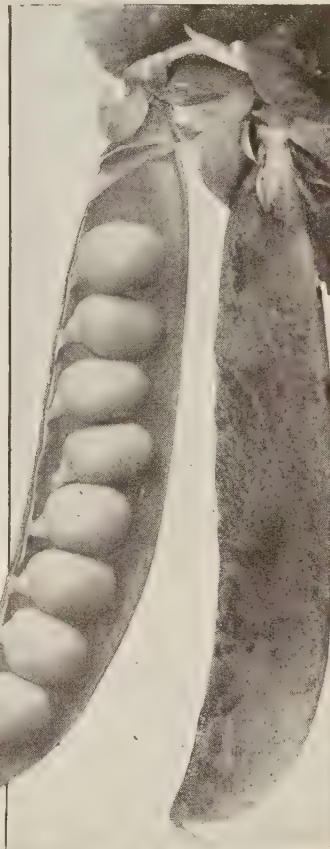
Nott's Excelsior. 60 days. Also known as American Wonder. A dwarf variety, growing about 14 inches tall. Pods are about 3 inches long and well filled with 6 or 7 large, sweet Peas in every pod. A vigorous grower and very prolific. ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Thomas Laxton. 62 days. Vines grow 3 feet tall and are very prolific. Pods are rich deep green and contain 7 or 8 large, tender Peas of splendid quality. Unsurpassed as an early, all-purpose variety. ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

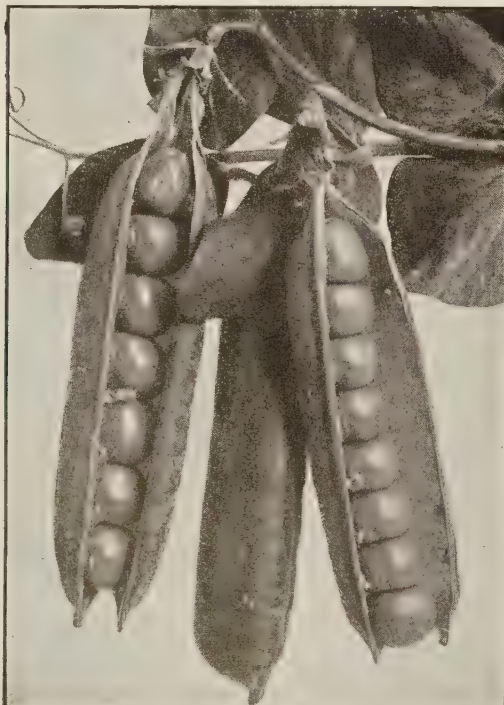
World's Record. 60 days. Vines about 2½ feet tall and moderately productive. Pods 3¾ inches long, light green and contain 7 to 8 large tender Peas of good quality. ½pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.



Peas, Laxtonian
Pkt. 10 cts., ½pt. 30 cts.
pt. 50 cts., qt. 90 cts.



Peas, Potlatch
½pt. 30 cts., pt. 50 cts. qt. 90 cts.



Peas, Little Marvel
Pkt. 10 cts., ½pt. 30 cts., pt. 50 cts., qt. 90 cts.

Main-Crop Varieties

Alderman. ★ 75 days. Vines about 4 feet high, strong and vigorous; leaves and pods rich dark green; productive; quality the finest. Pods are $4\frac{1}{2}$ to $5\frac{1}{2}$ inches long, handsome and well filled with 8 to 10 extra-large Peas. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Dwarf Telephone. 77 days. Also known as "Daisy." Grows $2\frac{1}{2}$ feet tall, with $4\frac{1}{2}$ -inch pods, containing 7 or 8 Peas of the very best quality. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Improved Telephone. 75 days. Grows 4 feet high; pods $4\frac{1}{2}$ inches long, with 8 to 10 extra-large Peas. Bears several pickings. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Mammoth-Podded Sugar. 75 days. A tall, late, prolific variety which produces big, broad pods, so tender and sweet that the whole pod can be cooked and served like snap beans. If you have not grown sugar-pod Peas, be sure to try them this year. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Potlatch. ★ 80 days. Dwarf growth and extra-fine quality. Vines luxuriant, 2 feet high; pods deep green, 5 inches long and quite broad; Peas large and tender, often 10 to a pod. A superior variety for home- and market-gardens. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

Wyoming Wonder. 73 days. Vine is dark green and about 28 inches tall. Pods are dark green, 5 to 6 inches long, each one containing 8 to 10 large Peas of unusually fine flavor. Remains sweet and tender a week to 10 days after reaching the picking stage. An excellent market-gardener's variety. $\frac{1}{2}$ pt. 30 cts., pt. 50 cts., qt. 90 cts., pk. \$4.90, bus. \$17.50.

NOTE: One pint of Peas weighs about 1 lb. and 1 quart about 2 lbs. One bushel of round-seeded varieties weighs 60 lbs. and 1 bus. wrinkled varieties weighs 56 lbs.

PUMPKIN

The seed should be sown as soon as the ground gets warm, in hills 6 to 8 feet apart, dropping from four to eight seeds in each hill, and thin out to 3 or 4 plants to each hill. Since Pumpkins require a lot of space they are generally grown with corn. Sow after the corn is up.

*One ounce of seed will plant about 25 hills;
4 to 5 pounds will plant an acre*

Connecticut Field. ★ 120 days. Very productive; fruits oblong with bright yellow skin and rather coarse flesh. Usually grown for stock. An old and popular variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00, 5 lbs. \$9.00.

Kentucky Field. 120 days. A heavy-yielding variety used principally for stock feed. Fruits large, variable in shape, deep orange; flesh deep yellow, coarse, and of good flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00, 5 lbs. \$9.00.

King of Mammoths. ★ 120 days. Round, flattened at the ends; skin yellow mottled with orange and deep yellow flesh of fair quality. Grows to an enormous size. Very attractive and a good keeper. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Large Cheese. 110 days. Big, flat, uniform Pumpkins with light buff skin and thick yellow flesh, deep rib, hard shell and fair quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

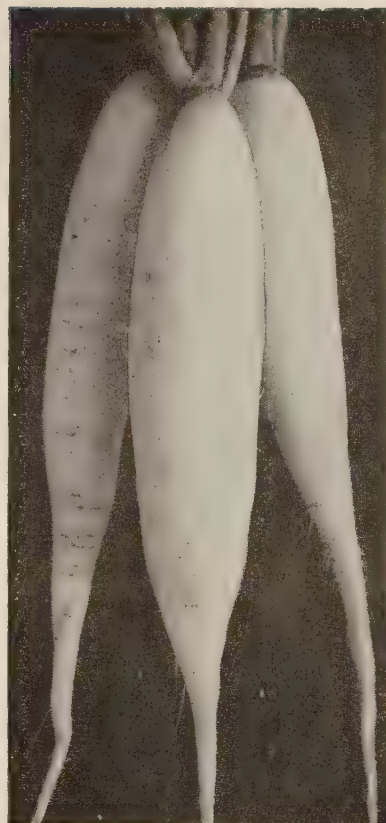
Mammoth Golden Cushaw. 110 days. A large crockneck with golden orange skin and deep, rich yellow flesh of the very finest quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Small Sugar. ★ 105 days. Small but productive and of splendid quality. Fruits round with bright orange skin and thick, sweet flesh. Never coarse or stringy; a good keeper and the best for pies. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Striped Cushaw. 110 days. Crockneck shape; smooth white skin with mottled green stripes; flesh yellow, fine-grained and sweet. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Tennessee Sweet Potato. 110 days. Sweet, tender, yellow flesh. One of the extra-good pie Pumpkins. Bell-shaped in form. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Winter Luxury. ★ 100 days. Flesh golden russet color, of extra-fine flavor. Pumpkins medium size, with netted skin. Recommended for home-gardens, being good for canning and pie-making. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.



Radish, White Icicle
Pkt. 10 cts., oz. 20 cts.

Such quick-growing crops as Radishes and leaf Lettuce may be grown between rows of vegetables requiring a longer season. By the time the main crop needs the full space allotted to it, the quicker one has already been gathered. Everyone with limited garden space should follow this method.



Radish, Early
Scarlet Globe
Pkt. 10 cts.
oz. 20 cts.



Radish, French Breakfast. Pkt. 10 cts., oz. 20 cts.

RADISHES

Start outdoors as soon as the ground can be put in shape and sow seed of any of the quick-growing round or olive-shaped sorts, not too thick, in drills $\frac{1}{2}$ inch deep and 1 to $1\frac{1}{2}$ feet apart. Thin out the seedlings promptly to stand about an inch apart in the rows. If not thinned out they will only produce tops and not develop a bulb. After putting in seed for the first crop, make additional sowings every ten days to two weeks, but for the later crops, which will ripen in warm weather, use the long varieties.

For late summer and fall use, sow the Summer and Winter Radishes which are larger and slower growing but will, unlike the early round Radishes, thrive in hot weather. The Summer Radishes may be sown any time up to August 1. The big Winter Radishes should be sown late in June to attain full size before frost.

*One ounce of seed will sow about 100 feet of drill;
8 to 10 pounds will sow an acre*

Early Radishes

Cavalier. 23 days. Roots are bright scarlet; olive shaped, with short tops. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Cherry Belle. ★ 25 days. Roots are round and red; flesh crisp and slow to turn pithy. Thrives in any garden soil. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

Cincinnati Market. ★ 35 days. Roots long; skin deep red; flesh clear white, very brittle and mild. The best long red early Radish. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Crimson Giant. ★ 30 days. The largest of the early, round Radishes. Handsome, deep red, globe-shaped roots. Will retain its crispness longer than any other Radish of its type. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Scarlet Globe. ★ 25 days. Medium-sized, very uniform, globe-shaped, bright scarlet roots. Flesh white, mild and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

French Breakfast. 27 days. An oblong or olive-shaped Radish of very fine quality. Bright scarlet skin with clear white tip. The flesh is white, firm, crisp and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Icicle. ★ 35 days. Roots 5 to 6 inches long with pure white skin and crisp, mild flesh. Reliable for either spring or summer use. Retains its crispness longer than most other varieties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Sparkler (White Tip). 25 days. Tops small; roots globe shape, bright scarlet with pronounced white tip. Crisp and of splendid quality until fairly large. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Summer Radishes

Chartier, Improved. 38 days. Intermediate in season between the early and the summer Radishes. Roots 7 to 8 inches long. 1 inch thick, bright rose with white tip. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

White Strasburg. ★ 40 days. Roots about 5 inches long, $1\frac{1}{2}$ inches thick at the shoulder, tapering and smooth. Skin and flesh pure white; remains firm and brittle longer than most sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

White Stuttgart. ★ 55 days. A large, late, pure white kind, with almost round or turnip-shaped roots 3 inches in diameter. Of good quality and a good keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Winter Radishes

Celestial, or White Chinese. ★ 60 days. Cylindrical in shape, often 8 inches long and 3 inches in diameter; skin and flesh pure white. Of fine quality and a good keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Chinese Rose. 55 days. Roots 4 to 5 inches long, 2 inches in diameter, cylindrical but thicker near the bottom; skin smooth, bright rose in color; flesh white, crisp and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Long Black Spanish. 60 days. Roots 7 to 9 inches long and 2 to 3 inches in diameter at the top, tapering to an abrupt point. Skin black, flesh clear white and of fine quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Long White Spanish. 60 days. Exactly like the preceding except in color of skin. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Round Black Spanish. ★ 60 days. Roots nearly round, 3 to 4 inches in diameter; skin black; flesh white and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

RHUBARB

It is cheapest to start with seed but only a percentage of the plants grown from seed will be worth saving. Sow early in the spring, in drills an inch deep and a foot apart, and thin the plants to stand about 5 inches apart. The following spring, reset the best plants 3 to 4 feet apart each way. If you start with roots, plant them with the crown about 1 inch below the surface. Give water, if needed, while the plants are producing and dress with manure every year after the cutting season is over.

Victoria. Broad, thick, tender stalks shaded red. Very productive. Seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts. Roots, 20 cts. each, \$2.10 per doz.

Mac Donald. Stalks brilliant red, tender and of excellent flavor and quality. A new variety well adapted to the northern section of the country. Roots, 50 cts. each, \$5.50 per doz.

SALSIFY

Often called "Vegetable Oyster" or "Oyster Plant" on account of its flavor. Sow the seed early, as the plants require a long season to attain full size; cover about an inch deep and thin to 3 inches apart. The roots mature in the fall, and being perfectly hardy, may be left in the ground all winter and dug as needed.

*One ounce of seed will sow about 100 feet of drill;
10 pounds will sow an acre*

Mammoth Sandwich Island. The best variety. Roots often 10 to 12 inches long, tender, and of delicious flavor. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

SPINACH

Spinach is a cool-weather crop and may be sown as soon as the ground can be made ready in the spring and followed with successive sowings every ten days up to the middle of May. Make additional sowings in August and September for fall use. Sow in drills $\frac{1}{2}$ inch deep, in rows about 12 inches apart, and thin the plants to stand about 2 inches apart.

To provide Spinach during hot weather, when ordinary varieties do not thrive, make a sowing of the heat-resistant New Zealand Spinach in April. Sow in rows 3 feet apart and let the plants stand about 1 foot apart in the row.

NOTE—The time from sowing of seed to cutting of plants varies considerably with the season of the year in which sowings are made. Days given apply to spring sowings.

*One ounce of seed will sow about 100 feet of drill;
14 to 15 pounds will sow an acre*

Bloodsdales Savoy-Leaved. ★ 40 days. (Reselected.) Very hardy and consequently most desirable for autumn and early spring use. The plants are upright and vigorous, with heavily crumpled, dark green leaves. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., 5 lbs. \$3.75, 10 lbs. \$7.00, 25 lbs. \$16.25.

Bloodsdales Long-Standing. ★ 43 days. A quick-growing, blight-resistant hardy sort that is much planted for market and canning. Leaves curled and wrinkled. Remains edible longer than other varieties. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., 5 lbs. \$3.75, 10 lbs. \$7.00, 25 lbs. \$16.25.

Spinach continued on next page

SPINACH, continued

Improved Thick-Leaved. 45 days. A hardy, vigorous sort, particularly valuable for spring sowing. Leaves deeply crumpled and dark green. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., 5 lbs. \$3.75, 10 lbs. \$7.00, 25 lbs. \$16.25.

Juliana. ★ 50 days. Grows close to the ground and has dark green, crumpled leaves that keep fresh-looking and retain their crispness a long time. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., 5 lbs. \$3.75, 10 lbs. \$7.00, 25 lbs. \$16.25.

King of Denmark. 48 days. Leaves are thick, crumpled, and dark green. Does not go to seed as quickly as most varieties. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., 5 lbs. \$3.75, 10 lbs. \$7.00, 25 lbs. \$16.25.

Virginia Blight-Resistant. 45 days. This is a cool-weather variety that is resistant to "yellows" and mosaic disease, and has moderately savoyed leaves. Being resistant to cold weather, it is a desirable variety for fall planting. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 85 cts., 5 lbs. \$3.75, 10 lbs. \$7.00, 25 lbs. \$16.25.

New Zealand. 70 days. Often called "Summer Spinach." A distinct type of Spinach which makes large, bushy plants, often 3 feet in diameter. Only the young leaves and tips of the branches are used and the more they are picked, the faster the plant seems to grow. Thrives in hot, dry weather. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

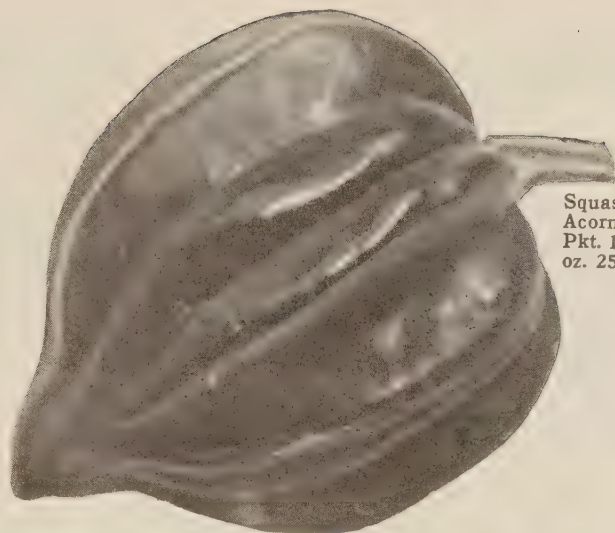
**★WHEN IN DOUBT ORDER THE
STAR VARIETIES**



Squash, Coccinelle. Pkt. 10 cts., oz. 25 cts.



Spinach, Bloomsdale Long-standing. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts.



Squash,
Acorn.
Pkt. 10 cts.
oz. 25 cts.



Pumpkin, Small Sugar. Pkt. 10 cts., oz. 20 cts.



Squash, Mammoth White Bush. Pkt. 10 cts., oz. 25 cts.

SQUASH

SUMMER SQUASH. Sow the seed in fertile, deep soil when the ground is warm and dry and after all danger of frost has passed, in hills about 4 feet apart each way. Allow about 4 plants to remain in each hill.

WINTER SQUASH. Plant in hills 8 to 10 feet apart each way and when the plants are about 5 inches tall, thin to 3 plants to the hill. Allow the Squash to remain on the vine until fully matured. Keep in a moderately warm, dry place during the winter.

*One ounce of Squash seed will plant 15 to 20 hills;
3 to 5 pounds will plant an acre, according to variety*

Summer or Bush Squash

Black Zucchini. ★ 65 days. Cylindrical and of uniform thickness; rind dark green; flesh firm and of delicate flavor. Easy to grow, and very prolific. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Cocozele (Italian Vegetable Marrow.) 65 days. Bushy plants, requiring little space, produce many oblong fruits averaging a foot long and 4 inches in diameter; green skin, mottled and striped with yellow and darker green. Quality extra-fine. Becoming better known every year. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Mammoth White Bush. ★ 55 days. One of the earliest. Compact in growth and prolific, with round, ivory-white fruits, with scalloped edges. Bears throughout the season if kept gathered. A very popular sort because of its fine flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Yellow Summer Crookneck. 62 days. Long, curved fruits with thin, golden yellow, warted skin; sweet, tender flesh. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Yellow Summer Straightneck. ★ 62 days. Fruits are golden yellow, about 10 inches long and 3 inches in diameter at the blossom end, thickly warted; flesh golden yellow, thick and fine flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Winter or Vining Squash

Butternut. ★ 100 days. Fruits about 12 inches long, firm, dry, mealy and sweet. Has orange flesh and is a good keeper. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

Acorn (Table Queen). ★ 85 days. An early-maturing variety which can also be planted for summer use. Fruits pointed acorn shape, 5 inches long and 4 inches through. Skin smooth, dark green; shell thin; flesh light yellow, mealy and of wonderful flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Boston Marrow. 95 days. Shaped like the well-known Hubbard, with orange skin and thick, yellow flesh. A good keeper. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Fordhook. 85 days. An excellent variety that is suitable for both summer and winter use. The fruits are oblong averaging 8 to 10 inches long, with thin, light yellow skin and thick, straw-colored flesh. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.00.

Golden Hubbard. ★ 100 days. True Hubbard shape but earlier, a trifle smaller, and the skin is a rich orange-red in color. Flesh deep orange, dry and sweet; an excellent keeper. May be used either as a vegetable or for pie. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Improved Hubbard. 110 days. A selection from the old Hubbard, with more vigorous vine and slightly larger fruits. Skin smooth, dark green; flesh deep yellow and of superb quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Warted Hubbard. ★ 115 days. Fruits are globular in shape and pointed at both ends; shell thick and hard; skin is heavily warted and very dark green in color. Flesh is orange-yellow, very thick, dry, fine grained and of excellent flavor. If properly stored will keep until spring. Makes excellent "pumpkin" pies. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

★ WHEN IN DOUBT, ORDER THE STAR VARIETIES

TURNIP

The main crop is usually sown in July or August, to mature during the fall, but early-season crops can be obtained by sowing the quick-maturing varieties as soon as the ground can be prepared in the spring. Sow the seed thinly in rows 15 inches apart, and cover with $\frac{1}{2}$ inch of soil. Thin the early sorts to stand 3 to 4 inches apart in the rows and the large main-crop Turnips about 6 inches. If not thinned out they will produce only tops and will not develop roots.

*An ounce of seed will sow about 300 feet of drill;
a pound will sow an acre*

Cow Horn. 75 days. Roots shaped rather like a carrot, often over a foot long and 3 inches in diameter. Skin and flesh white. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00, 5 lbs. \$4.50.

Extra-Early White Milan. 45 days. The quickest growing of the Turnips. The roots are small and flat with pure white skin and flesh; mild and sweet. Most desirable variety for early sowing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Purple-Top Strap-Leaf. ★ 50 days. The roots are flat and quite large; skin white except for a ring of purple around the top; flesh white, fine-grained and of excellent table quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00, 5 lbs. \$4.50.

Purple-Top White Globe. ★ 60 days. The roots are large, nearly round, white with upper third purple. The flesh is firm and of good quality. Productive and a splendid keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00, 5 lbs. \$4.50.

Seventop. Grown principally for greens. The young shoots are very tender. Roots tough and not edible. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Yellow Globe. 80 days. Round, smooth roots of medium size, with light yellow skin and flesh. Used chiefly for stock feed, but suitable for table use when young. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

RUTABAGA or Swede Turnip

The flavor of Rutabagas is preferred by many to that of Turnips. They are grown much like Turnips but they require a longer season and attain a larger size. Sow during June or early July in rows 18 inches apart. Cover the seed with $\frac{1}{2}$ inch of fine soil and thin out the seedlings to 8 to 10 inches. They may be stored in a cool cellar or pit for winter use.

*An ounce of seed will sow about 400 feet of drill;
a pound will sow an acre*

Improved Purple-Top. ★ 90 days. Large, globular roots. Skin smooth, light yellow with purple top; flesh yellow, firm, and of fine quality. Good winter keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Sweet German. 90 days. A large, globe-shaped variety with white skin and flesh. Fine-grained, solid and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

TAMPALA

A new leafy green vegetable prepared and served like spinach, but with a distinctive flavor. The tender leaves need to be cooked only five minutes. Stands hot weather well. Sow the seed outdoors when the soil has become warm in the spring; the young leaves will be ready for picking in six to eight weeks. Pkt. 15 cts.

TOBACCO

For best results, Tobacco requires a rich, mellow soil and careful cultivation. Sow the seed in frames or a fine seed-bed early in April and reset the plants in the open ground late in May or early in June, spacing them 2 feet apart in rows 4 feet apart. Cultivate frequently.

Connecticut Seed-Leaf. One of the hardiest and most popular sorts. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

Havana. True type; productive and of finest quality. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

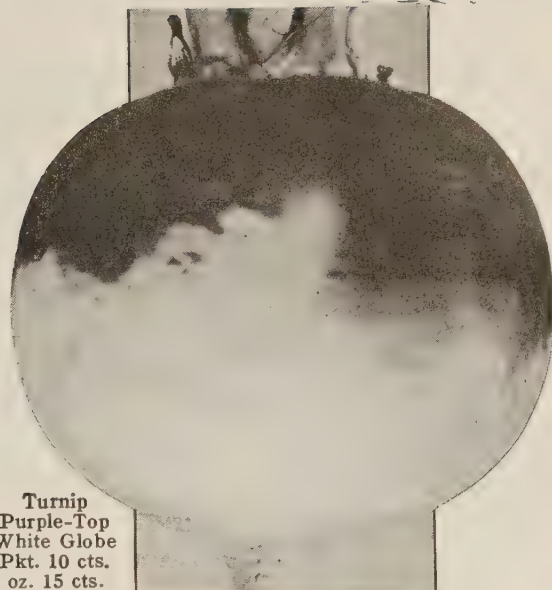


Tomato, Rutgers.
Pkt. 10 cts., 1/2oz. 35 cts.

Undoubtedly Tomatoes are the most valuable vegetable in the garden. They give greater returns for the space they occupy than anything else that can be grown. With most families they are a favorite all during their season, and the surplus is easily canned or made into juice. Tomatoes are not only good, they are also good for you, since they are high in vitamin C.



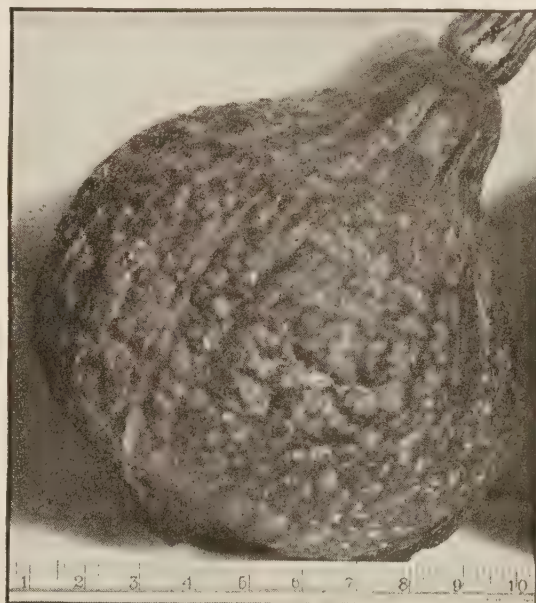
Tomato, Beefsteak. Pkt. 10 cts., 1/2oz. 40 cts.



Turnip
Purple-Top
White Globe
Pkt. 10 cts.
oz. 15 cts.



Tomato, Bonny Best. Pkt. 10 cts., 1/2oz. 35 cts.



Squash, Golden Hubbard. Pkt. 10 cts., oz. 30 cts.

TOMATOES

The seed should be sown indoors in late February or March, in shallow boxes or pots placed in a warm, sunny window. As soon as the little plants are strong enough, thin or transplant them to stand 3 to 4 inches apart; then when they are about 3 inches high transfer them to small paper pots or dirt-bands. To secure extra-strong, stocky plants, transfer them again, when 6 to 8 inches tall, to larger pots. When all danger from frost is past, set them out in the garden, about 4 feet apart each way.

Treat the seed with Semesan to prevent damping-off of seedlings. Use Transplantone when transplanting the plants to the garden. (See fertilizer pages.) To guard against blight, spray or dust the plants with a copper fungicide frequently during the season; arsenate of lead or DDT will kill the Tomato worms.

Days to maturity are figured from the time the plants are set in the garden.

An ounce of seed will produce about 2,000 plants

Early Varieties

Bonny Best. ★ 70 days. It is remarkably productive with large, round, smooth fruits in handsome clusters. Uniform in size and shape, solid, free from cracks, bright scarlet in color. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Bounty. 65 days. Fruits scarlet, medium small, smooth and uniformly globular. Vines very small. Desirable for its earliness and uniform ripening. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Break O'Day. ★ 68 days. Fruits orange-red, smooth and of good size. Very productive and a good early market-gardeners' variety. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Burpee Hybrid. 70 days. Fruits medium to large, firm, thick walled, scarlet-red and of excellent quality. A main crop variety noted for the quality and rich flavor of its fruits. Pkt. 35 cts.

Earliana. 66 days. The plants are compact, with light foliage; the fruits are of good size, bright red, and quite solid. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Firesteel. ★ 62 days. An early, large-fruited, smooth red variety of semi-acid flavor. Vine small. Will set fruit in dry seasons when other varieties are dropping their blossoms. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

John Baer. ★ 70 days. The fruits are of good size, perfectly smooth, and nearly globe-shaped, with brilliant scarlet skin and firm flesh, entirely free from core and with few seeds. The flavor is mild and deliciously sweet. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Marhio. 75 days. Fruit of a very attractive deep pink. A vigorous grower, heavy cropper, and wilt-resistant. Fruits globe shaped, medium sized, smooth, firm and free from cracks. A good forcing variety. Pkt. 15 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Pritchard. ★ 75 days. Fruits scarlet, medium size, globe shaped, smooth, solid and of the finest quality. Vines compact and very productive. A good home-garden variety. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Sioux. 70 days. Fruits red, of medium size, almost globular, thick-walled, juicy and of good acid flavor. Plant relatively open, with finely divided leaves. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Valiant. ★ 70 days. Fruits globe shaped, bright scarlet and larger than most early varieties. Plants sparse and open. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Victor. 65 days. Fruits bright scarlet, globular, medium size, smooth and of fair quality. Plants are very productive and bear all their fruit in the first few weeks of the picking season. Because of their compact growth plants can be set 2 feet apart in the row. An extra-early market-gardeners' variety. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Second-Early and Main-Crop Varieties

Beefsteak. ★ 90 days. Fruits are red, large, solid, and irregular in shape. Vines are strong and vigorous, with fairly dense foliage. An old favorite with home gardeners. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Greater Baltimore. Noted for its deep red color throughout. Fruits are large, flattened globe in shape, solid and of good quality. Vines vigorous and very productive. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Greater Marglobe. ★ 78 days. As a result of extensive breeding work, this strain shows vast improvement over the original Marglobe in size and uniformity of fruits. We recommend it as the finest stock of this variety of Tomato. Pkt. 15 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Livingston's Globe. ★ 82 days. Heavy crops of good-sized, uniform, distinctly globe-shaped fruits with smooth, glossy, deep pink skin. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Marglobe. ★ 78 days. The most popular variety with both home and market-gardeners. Fruits large, deep scarlet, very uniform, globe shaped, smooth, with thick walls and small seed cells. Delicious and mild flavor. Plants vigorous, productive, disease-resistant and of long bearing period. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Matchless. 85 days. A main-crop Tomato with bright red, solid fruits of excellent quality. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Oxheart. 90 days. A main-crop, pink-fruited variety. Fruits are extra large, heart-shaped, heavy and solid. Choice variety for salads and slicing. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.20, ¼lb. \$3.50, lb. \$12.00.

Ponderosa. ★ 88 days. One of the largest pink-fruited Tomatoes. Somewhat irregular in shape but extremely solid and with very few seeds. Has a delightful mild flavor. Plants are large and very productive. Pkt. 10 cts., ½oz. 65 cts., oz. \$1.20, ¼lb. \$3.50, lb. \$12.00.

Rutgers. ★ 85 days. The best all-purpose Tomato. Fruits uniform, large, globular, bright red, very smooth, meaty, and of mild flavor. Vines large, dense, and resistant to disease. Yields an abundance of handsome and delicious fruit; ideal for canning and slicing. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Stokesdale. 78 days. The fruits are smooth, brilliant red, with a very solid interior. A heavy yielder; excellent for canning and for making juice. Pkt. 10 cts., ½oz. 35 cts., oz. 60 cts., ¼lb. \$1.75, lb. \$6.00.

Yellow Varieties

Golden Queen. 83 days. Good-sized, round, smooth fruits, bright yellow in color, solid and of splendid quality. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

Golden Jubilee. 75 days. A smooth, bright golden orange Tomato. Fruits are medium size, firm, deep globe shaped, with solid interior and small seed pockets. A really fine-flavored and delicious Tomato. Plants bear over a long season. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.20, ¼lb. \$3.50.

Yellow Plum. 75 days. The fruits resemble a plum in size and shape but are bright yellow in color. Enormously prolific; in great demand for preserving. Pkt. 10 cts., ½oz. 60 cts., oz. \$1.00, ¼lb. \$3.00, lb. \$10.00.

Yellow Ponderosa. 88 days. A very large, mild-flavored sort, desirable for the home-garden. Skin clear golden yellow; flesh pale yellow, solid and meaty, mild and sweet. Pkt. 10 cts., ½oz. 40 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$8.00.

SCOTT'S

Flower Seeds



Growing FLOWERS from Seed

To start seeds indoors, use a shallow box filled with vermiculite (see page 81) or light, rich soil not likely to bake or form a crust when the surface dries, and which has been treated with Formaldehyde or Semesan. Tamp firmly, so that the level is about half an inch below the top of the box. Make shallow furrows crossways, about an inch apart. Very fine seeds, like Petunias and Portulacas, need merely marks; large seeds, like Scabiosas, Lupines, and Four o'Clocks, should have furrows a half-inch deep. Sow the seed thinly in the rows, and label each row. Sift fine soil, mixed with sand, over the seeds, covering them to the soil level. Then press the surface with a board or a brick, and water with a very fine nozzle or sprinkle the surface with a whisk-broom dipped in water. Cover the box with a sheet of glass and newspaper, and set it in a warm position, watching from day to day to see that the surface does not get dry or become soggy.

As soon as the seedlings break through the ground, the newspaper must be removed and the box set where it will receive the largest amount of sunlight. When the first leaves are fully formed, remove the glass or tilt it to admit air; when the seedlings are all up and gathering strength, take off the glass.

Special care will be needed in watering. If too much water is used, the seedlings are likely to damp off; if not enough, they will not grow rapidly.

Transplant once before moving to garden. Perennials require exactly the same treatment, except that sowing may be delayed until the annuals are out of the way. Good results can also be obtained by sowing most annuals outdoors any time from early April to June.

Acroclinium (Annual)

Double Large-flowering Hybrids. Beautiful Everlasting Flowers in salmon, apricot, pink, rose and cerise, white and creamy tones with golden centers. For drying, cut as soon as they open. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Agrotatum • Floss Flower (Annual)

Excellent for low borders and edging, and is often used for porch-boxes. Can be sown outdoors in May, but to have blooms earlier start indoors in March.

Blue Perfection. Pretty, deep lavender-blue flowers. Plants grow about 15 inches high. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Dwarf Blue Boy. A new variety only about 4 inches high. Very uniform growth, completely covered with bloom in rich shades of blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Imperial Dwarf Blue. Perfectly formed little plants about 8 inches tall, with flowers of clear blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts.

Little Blue Star. Tiny plants, not over 5 inches high, covered with masses of bright blue flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

Alyssum (Annuals and Perennials)

The ever-popular and always satisfactory flower for edging beds or planting in porch-boxes or rockeries. Sow the seed in the open ground any time from early April to June. Blooms all summer.

Violet Queen. Annual. Dwarf, compact plants rarely 6 inches high. Flowers deep lavender-lilac. A very pretty variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Gem. Annual. A dwarf form which makes dense, round, little bushes about 6 inches high, covered with very white flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Saxatile compactum, Blanket of Gold. Perennial. Bushy plants a foot high. Tiny bright yellow flowers in clusters. A good rock-plant. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

White Carpet. Annual. The name describes it—a carpet of white only 2 to 3 inches high. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

White Sweet. Annual. The old-fashioned variety. Low-growing and spreading. Sweet-scented, pure white flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts.

Antirrhinums · Snapdragons

Annual

A free-blooming garden flower of the easiest culture, producing its spikes of lovely flowers all summer and fall.

Sow the seed in April, transplanting, when 2 to 3 inches high, to the garden.

TALL GIANT-FLOWERED. A fine strain for bedding or cutting as the spikes are heavy and long.

Apple Blossom. Soft apple-blossom-pink.

Canary Bird. Brilliant canary-yellow with deeper yellow lip.

Cattleya. Fine spikes of orchid-lavender—a lovely shade.

Copper King. Velvety bronzy copper.

Old-Gold. Rich old-gold, flushed rose.

Ruby. Rich velvety ruby-red.

Snowflake. Pure white with yellow lip.

The Rose. Deep rose-pink.

Finest Mixed. A mixture of all the colors.

All Tall Giant-flowered Antirrhinums, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3

TETRAPLOID. Plants tall, husky and erect with huge ruffled florets and long spikes. An excellent snap for outdoor planting. Mixed colors. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

HALF-DWARF LARGE-FLOWERING, MIXED. A nice strain for bedding, with heavy spikes of good length for cutting. Good mixture of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

GIANT-FLOWERED, MAJESTIC TYPE (RUSTPROOF), MIXED. A rust-proof strain of the tall large-flowered type. A fine mixture of all colors. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.



Arctotis

Amaranthus

Annual

Start seed in house or hotbed early in spring, or in a special seed-bed outdoors later on and transplant to place where they are to bloom.

Molten Fire. One of the most beautiful foliage plants. Grows 4 feet high and each lateral produces a poinsettia-like tuft of flaming fire. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Tricolor. Joseph's Coat. Tall, erect plants with luxuriant foliage gorgeously marked with scarlet, yellow, and green. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Aquilegia · Columbine

Perennial

Favorite border perennials, blooming in May and June and thriving best in moist, partially shaded spots. Sow seed from May to August. Plants require no protection over winter.

Long-spurred Hybrids, Mixed. These are the finest of the Columbines, producing large flowers in a great variety of delightful colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

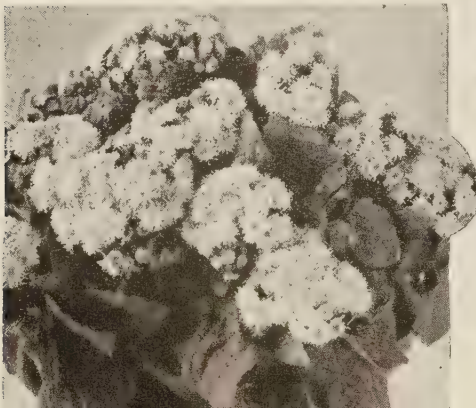
Long-spurred Hybrids, Mrs. Scott Elliott's Strain, Mixed. From May to midsummer these will give a wonderful show of color. Plants grow about 3 feet high and flower profusely. Mixed colors, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Arabis · Rock Cress

Perennial

Alpina. Mountain Rock-Cress. Excellent rock-garden or edging plant. Foliage gray-green. Flowers white, in early spring. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Ageratum. See page 21.



Arctotis

Annual

Its rich and abundant blooming makes it a very desirable plant for cutting.

Giant Hybrids. A brilliant assortment of orange and bronzy red shades, rose, cream, yellow and salmon. Should be started indoors early. Pkt. 25 cts.

Grandis. Blue-eyed African Daisy. Plants 2 feet high, with silvery white foliage and $2\frac{1}{2}$ -inch, daisy-like, silvery white flowers with sky-blue eyes. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Armeria · Sea-Pink

Perennial

Rock-garden or edging plant making handsome, evergreen, mossy tufts from which rise clustered flowers like clover blossoms.

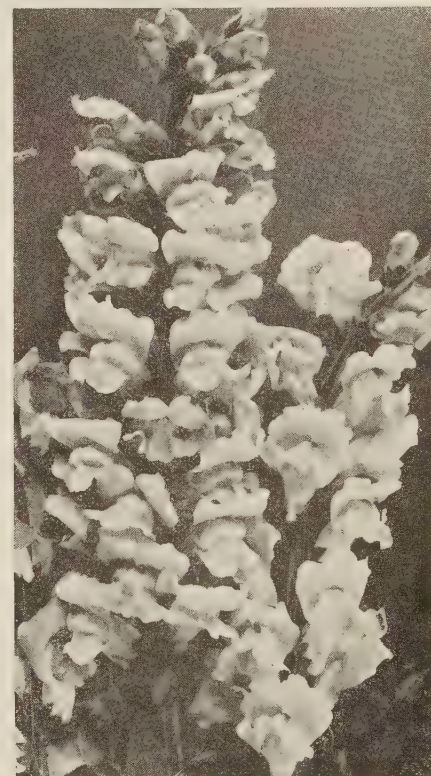
Cephalotes. Giant Thrift. Rose and White. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Laucheana. Dwarf Thrift. Bright rose. Pkt. 25 cts., $\frac{1}{4}$ oz. \$5.



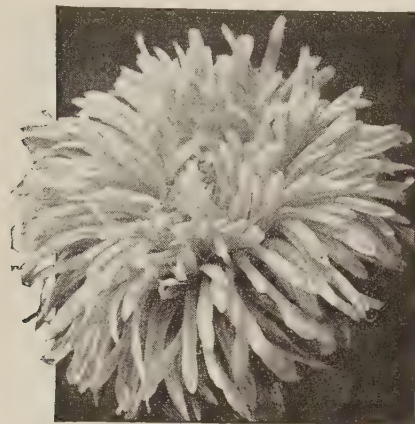
Molten Fire Amaranthus

Why not use annuals to add new interest to your shrub planting and your perennial border? For the background—Cosmos, African Marigolds and Nicotianas. For the middleground—Zinnias, French Marigolds, Gaillardias and Petunias in variety. For borders—Sweet Alyssum, Phlox Drummondii or the dwarf Marigold, Little Giant.

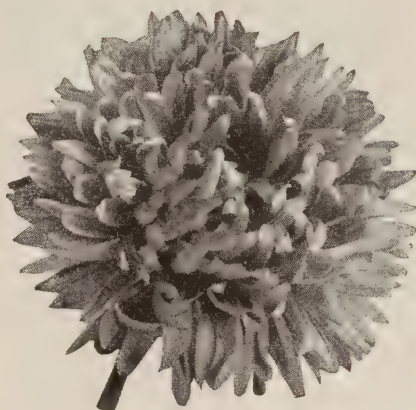


Antirrhinum (Snapdragon)

There are many summer-flowering bulbs that will lend new interest to your summer garden. Why not plant several groups of Summer Hyacinths or Peruvian Daffodils or Gladiolus? Dahlias are always spectacular and Tuberoses are delightfully fragrant.



Aster, California Giant



Aster, Heart of France

Asters *Annual*

Asters prefer an open, sunny situation and they respond amazingly to fertilizers and good cultivation. It is advisable to change the location of the Aster-bed each year if you want large flowers and lots of them. For early bloom, start the seed in a window-box or hotbed, in March, giving the little plants plenty of light and water as required, and thinning 3 to 4 inches apart, or transplanting them when a few inches high to small pots. Set them out after danger from frost is past. For solid beds of color, set the plants 8 to 10 inches apart, but if large flowers and long stems are wanted for cutting, plant at least 1 foot apart in rows 1½ to 2 feet apart. The seed may be sown outdoors in early May with good results except that the plants will bloom later.

EARLY-BLOOMING

Queen of the Market. (Wilt-resistant Strain.) Low, bushy plants bearing quantities of large flowers from July on.

White	Lavender
Pink	Purple
Crimson	Mixed Colors

All Queen of the Market Asters, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50

Ballet Type. Large flowers with distinctive crested center. Early. Mixed colors. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

MIDSEASON BLOOMING

Improved Crego. (Wilt-resistant Strain.) Large flowers, often 5 inches across, with twisted and curled petals, are freely produced on long stems. They bloom just after the early varieties.

Blue Flame	Light Blue
Cattleya (orchid)	Peach Blossom
Crimson	Shell-Pink
Dark Violet	White
Deep Rose	Mixed

All Improved Crego Asters, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50



Aster, Ballet Type, Mixed

GIANTS OF CALIFORNIA IMPROVED. Large, full flowers of the Crego type, with curled and interlaced petals, on long, heavy stems. Strong, upright plants that bloom from late summer until frost.

Carmine-Rose	Light Blue
Dark Purple	Peach Blossom
Light Purple	White

Mixed

All Giants of California Improved Asters, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

CALIFORNIA SUNSHINE, MIXED.

Immense, single flowers, 4 to 5 inches across, with a single row of petals surrounding large yellow quill-like center discs. Branching plants 2 to 3 feet tall. Excellent for cutting. Mixed colors, pkt. 25 cts., ¼oz. \$1, oz. \$3.

GIANT BRANCHING LATE-BLOOMING.

(Wilt-resistant Strain.) A wilt-resistant strain of late-blooming Asters. Valuable to finish the season. Long, strong stems carrying large flowers with broad, incurved petals. A great cutting Aster.

Crimson	Deep Rose
Dark Blue	White

Mixed

All Giant Branching Late-blooming Asters, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50

PRINCESS WILT-RESISTANT

Flowers have a full crested center surrounded by several rows of strong guard petals, borne on long wiry stems. Plants about 2½ feet tall; blooms late in August. Highly wilt-resistant.

Barbara. Orchid. Pkt. 25 cts.
Golden Sheaf. Deep yellow. Pkt. 25 cts.

MISCELLANEOUS TYPES

Heart of France. (Wilt-resistant.) Medium-sized flowers of rich dark red. Branching plants 1½ to 2 feet high. Blooms in late August. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Super Giant, El Monte. This fine Aster received special mention in the 1936 All-America Selections. Large crimson flowers, with interlaced, plume-like petals. Each plant produces 6 to 8 of these huge flowers. Pkt. 25 cts., ¼oz. \$1, oz. \$3.



Giant California Sunshine Asters

Asters

Perennial

Michaelmas Daisies. Tall, autumn-flowering Daisies in various shades. **Mixed Colors.** Pkt. 15 cts., ¼oz. \$1.50, oz. \$5.

Balloon Vine • Love-in-a-Puff

Annual

A rapid-growing annual climber with dark green leaves and small white flowers, followed by curious balloon-like seed-pods. Pkt. 10 cts., ½oz. 25 cts.

Balsam • Lady's Slipper

Annual

Tall Double, Mixed. Large flowers, resembling camellias, in self colors, as well as spotted and blotched varieties. The seed should either be started inside or sown outdoors late in May when the soil and weather are warm. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

Begonia

Tender Perennial

The Begonias are great favorites, both as pot-plants in the home in winter and for outdoor bedding during the summer. Seed is fine and must be sown on well-prepared, rich soil in the greenhouse or in shallow boxes placed in a warm, sunny window.

Gracilis, Luminosa. Large bright scarlet flowers. Pkt. 25 cts.

Prima Donna. Light rose-pink flowers. Extra fine. Pkt. 25 cts.

Tuberous-rooted Begonia Bulbs. See page 44.

Bellis • English Daisy

Biennial

Useful for beds and edging, thriving in partial shade or full sun. Best results are obtained by sowing seed in late summer and carrying over winter in a cold-frame.

Longfellow. Double red.

Snowball. Double white.

Double Mixed.

All varieties, pkt. 10 cts., ¼oz. \$1.50, oz. \$5



Annual Calliopsis

Calliopsis (Coreopsis)

Tickseed

Annual

Easy to grow, free-blooming, and a favorite for cutting. Especially nice for edging beds or for planting in pots. Sow in April or May and thin to stand 6 to 8 inches apart.

Crimson King. Deep crimson, yellow backs.

Drummond. Golden Wave. Medium tall, covered with bright golden yellow flowers with brown centers.

Golden Ray. Golden yellow.

Tiger Star. Yellow and brown.

Mixed. A variety of colors.

All Calliopsis, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Cannas

Annual

Large-flowered, Dwarf, Mixed. Saved from brilliantly colored varieties, including red, yellow, and various striking combinations. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

For Cannas roots, see page 45.

Campanula Medium

Canterbury Bells

Biennial

Lovely, bell-shaped flowers. One of the finest border plants. Sow the seed any time from early June to August, and protect the plants with straw or leaves over winter.

Single Varieties, Mixed. The true "Canterbury Bells." Good mixture of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Calycanthema, Mixed. Cup-and-Saucer. A very pretty double form in a good mixture of colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.



Calendula, Campfire

Calendula • Pot Marigold

Annual

Among the brightest and easiest to grow of all garden annuals. They prefer a sunny location but will thrive on any soil. Sow the seed during April or May and thin the plants to 8 to 10 inches.

Campfire. A vigorous grower with large, brilliant orange flowers having a scarlet sheen and a full yellow center. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Chrysanth (Sunshine). Superb new variety with rich, gleaming yellow flowers like quilled Chrysanthemums. The rays are long and slender, curving inward. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Lemon Queen. Like Orange King but the flowers are clear lemon-yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Orange King. Large, double flowers of deep glowing orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Orange Shaggy. Deep orange color, shading lighter at the center of flower. Long, fringed, overlapping petals make the blooms graceful and attractive. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Radio. A new type. Full flowers with quilled petals; rich glowing orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Canary-Bird Vine

Tropaeolum peregrinum

Annual

A quick-growing, slender annual vine with light green, fern-like leaves and brilliant yellow flowers. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

Carnations

Early Dwarf Double, Mixed. Biennial. Dwarf, erect, free-flowering strain. Extremely hardy. Grows 15 to 18 inches tall. Comes in a wide range of colors. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Enfant de Nice, Mixed. Annual. The plants are robust and upright, with long, strong stems and flowers $2\frac{1}{2}$ to 3 inches in diameter. It is the last word in this popular flower. Good mixture of colors. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Grenadin, Cardinal-Red. Perennial. An early-flowering type with large brilliant scarlet blooms. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Marguerite, Mixed. Annual. An improved, large-flowering strain. The flowers are very fragrant, and last for a long time when cut. Sow early in May. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.



Giant Hyacinth-flowered Candytuft

Candytuft • Iberis

One of the best of all low-growing plants for beds and edging. Sow the seed early in the spring, and when the seedlings are strong enough, thin them to stand 6 to 8 inches apart.

ANNUAL VARIETIES

Giant Empress. Extra-large, pure white flowers. Nice for cutting as well as bedding. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 65 cts.

Giant White Hyacinth-flowered. Immense, pure white spikes with large individual bracts. Strong plants. An improved florists' variety for cutting or pot-culture. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 65 cts.

Umbellata. Blooms quickly from seed. The flowers are in flat clusters and are produced for many weeks.

Lilac
Rose

Crimson
Mixed

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 65 cts.

PERENNIAL VARIETIES

Gibraltarica Hybrids. A compact form with lilac flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Sempervirens. Perennial or Evergreen Candytuft. Bears pure white flowers in the spring and the leaves are dark glossy green the year round. Fine for edging. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.



Carnation

Cardinal Climber*Annual*

A slender, quick-growing vine with exceedingly ornamental, deeply cut leaves, and small, star-shaped flowers of a brilliant cardinal-red, borne in the greatest profusion. Sow after the weather and soil are warm. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Castor-Oil Bean • Ricinus*Annual*

Extremely large plants that may be used for ornamental hedges, for the center of beds of cannas, and as individual specimens wherever a tropical effect is wanted. Sow in May.

Zanzibarensis. A giant strain, that sometimes grows 12 feet high. Dark green, bronze, or reddish foliage. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Finest Mixed. Many different types, varying in color of leaf, stalks, fruit, etc. All large. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Celosia *Annual*

These make gorgeous beds and are useful also for borders where bright colors and mass effect are desired. The seed should be started indoors in April or sown in well-prepared soil outdoors late in May.

Childsi, Mixed. Chinese Woolflower. A profusion of massive, wool-like flowers in shades of red, pink and yellow. Height 3 feet. Sow seed outdoors after danger of frost is past. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Cristata, Finest Mixed. Cockscomb. Showy, comb-like heads in a variety of rich colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CRISTATA PLUMOSA. IMPROVED FEATHER TYPE.

Pride of Castle Gould. Pyramidal growth with large, painted plumes of brilliant red. Fine for either bedding or pot-culture. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50.

Scarlet. A brilliant scarlet selection of the lovely feather type. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.

Cerastium*Perennial*

Tomentosum. Snow-in-Summer. A perennial rock-plant with white foliage and starry white flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Celosia Childsi (Woolflower)



Centaurea cyanus

Centaurea *Annual*

A family of very popular and easy-to-grow flowers.

CYANUS. Familiarly known as "Cornflower," "Ragged Sailor," or "Bachelor's Button." About 1 $\frac{1}{2}$ feet tall, thriving in almost any situation and blooming freely for a long season.

Double Blue. Deep blue Cornflower.


Double Maroon. Fine for a mixed bouquet.

Double Rose-Pink. A lovely shade for cutting.

Double White. A pure white Cornflower.

Double, Mixed. A select mixture of many colors.

All above, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

 **Jubilee Gem.** Silver Medal. Plants 12 to 15 inches with double flowers of cornflower-blue. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

IMPERIALIS. The Giant Sweet Sultan, one of the largest of the Centaurea family and the finest for cut-flowers. The large blooms are borne on long stems and are very fragrant.

Lavender **Purple** **White**

Lilac **Rose** **Mixed**

All above, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1

GYMNOCARPA. Dusty Miller. Grows but a foot high. Excellent for edging beds and borders. Foliage is fern-like and of silvery gray color. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Chrysanthemums

Chrysanthemums thrive in rich soil in any sunny situation and bloom very freely. They require plenty of water.

Coronarium, Double Annual, Mixed. Full-centered flowers in shades of cream, lemon, and gold. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Leucanthemum. Shasta Daisy. Perennial. Hardy plants with lovely white flowers for cutting.

Alaska. Magnificent single flowers of pure white, 5 inches or more in diameter. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Alaska, Double. A double form of the above, with beautiful shaggy white flowers. Pkt. 25 cts.

Clarkia*Annual*

Elegans. An attractive variety that makes loose, shrubby plants 2 to 3 feet high, covered with dainty flowers. Nice for cutting.

Double and Single, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Cleome • Spider Plant*Annual*

Pink Queen. An excellent plant for background or large beds. Produces huge trusses of bright pink flowers from early summer until frost. Grows about 4 feet tall. Start seeds indoors or in hotbeds. Pkt. 25 cts.

Cobaea*Annual*

Scandens. Cup-and-Saucer Vine. An annual climber that grows quickly and makes a good screen of foliage. The flowers are large and bell-shaped, blue in color. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Coleus*Annual*

Choice Mixed. Popular bedding plants grown for their ornamental variegated foliage. Sow seed in boxes indoors and transplant to the open late in May. Pkt. 25 cts.

Coreopsis*Perennial*

Double Sunburst. Large, golden yellow, fully double flowers 3 to 3 $\frac{1}{2}$ inches in diameter. A superb cut-flower, or a mass of garden color. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

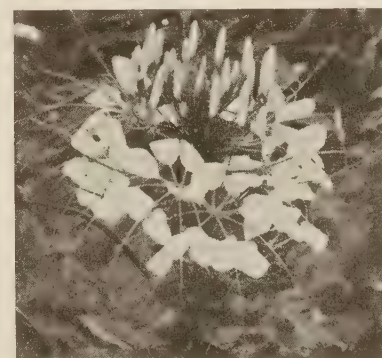
Grandiflora. Easily grown from seed sown any time during late spring or summer and, being perfectly hardy, the plants require no protection in winter and will live for years. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Corn, Ornamental Indian*Annual*

The kernels are of various bright colors and are used in making Charm or Patio Strings. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts.

Cypress Vine*Annual*

Finest Mixed. A graceful, slender climber with very finely cut foliage and bright little flowers which are produced in the greatest profusion. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.



Cleome, Pink Queen



Cosmos

Cosmos

Annual

Their free-blooming habit and graceful flowers make the Cosmos one of the most popular flowers for late summer and fall use. Sow seed outdoors about May 1, or, if possible, start the seed indoors in early March.

Early Klondyke, Orange Flare. Deep brilliant orange flowers, borne on long stems. Nice for cutting. Plants 2 to 3 feet high. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Extra-Early, Double-crested. An improved strain of the double-flowering form of Cosmos, and while the flowers vary in degree of doubleness, all are beautiful.

Pink Beauty. Soft rosy pink.

Crimson King. Deep rose-crimson.

White Queen. Pure white.

Finest Mixed. All colors.

All Double-crested Cosmos, pkt. 15 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$2.75

Mammoth Early-flowering, Mixed. Large-flowered strain which blooms early. Best to use for late sowings outdoors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Mammoth Late-flowering. Plants 6 to 8 feet, blooming in September. Large flowers 4 to 5 inches across.

Lady Lenox. Shell-pink.

Finest Mixed. All colors.

Either above, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Sensation. A new early-flowering strain of Cosmos. Flowers 4 to 5 inches across, on long stems, from 4-foot plants.

Radiance. (AAS) Silver Medal, 1948. Deep rose petals overlaid with zone of rich crimson. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Mixed. Pink and white. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Cynoglossum

Chinese Forget-Me-Not

Amabile, Blue Bird. Splendid plants growing $1\frac{1}{2}$ to 2 feet tall and bearing a profusion of bloom from May until frost. The Forget-me-not-like flowers are a fine shade of bright blue and are in nice sprays suitable for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Dahlias

Annual

It is easy to raise Dahlias from seed, if started early in spring in hotbed or in a warm window. Set plants out late in May in sunny location, a foot or more apart.

Cactus-flowered, Mixed. Seed saved from the best Cactus type. Pkt. 25 cts.

Double, Finest Mixed. Seed saved from some of the best named sorts. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Single, Fine Mixed. Seed saved from select flowers of single varieties. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

UNWIN'S DWARF HYBRIDS. Blooms in sixty days from seed sown in the garden. Unsurpassed as cut-flowers. Flowers are semi-double, 3 inches in diameter, and come in a range of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Delphinium

Perennial Larkspur

The finest of blue flowers for the hardy border are the Perennial Larkspurs. Sow the seed in May or June and transplant about 1 foot apart in early September.

Belladonna. Long, loose spikes of delicate light blue flowers, of supreme value for cutting. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Bellamosa. This is a taller, straighter plant than Belladonna, and the flowers are rich clear blue, several shades darker. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Blackmore & Langdon Strain, Mixed. Lovely flowers in a wide range of colors. Strong plants with excellent spikes. Pkt. 50 cts.

Cardinale. A native Delphinium with long-spurred brilliant scarlet flowers on 3-foot plants. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Kelway's Gold Medal Hybrids. A famous English strain of great size and vigor, producing flowers in all shades of blue. Pkt. 25 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.25.

Pacific Giants. Flowers are of immense size, tightly set on straight, strong stems. White. Pkt. 50 cts.

Mixed Colors. Shades of blue, lavender, pink, and clear white. Pkt. 50 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50, $\frac{1}{2}$ oz. \$4.25, oz. \$8.

Wrexham (Hollyhock Strain). Sturdy plants producing conical spikes of flowers 2 inches or more across, and $2\frac{1}{2}$ to 3 feet long. Colors range from clear light blues and lavenders to shades of deep blue, purple, and mauve. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.



Delphiniums



Dianthus Heddwigi

Didiscus

Annual

Cerulea. Blue Lace Flower. Exquisite, lacelike flower-heads of dainty azure-blue, gracefully borne on long stems. Sow seed in March in hotbed and outdoors in May and June. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Dianthus

A large family of easily grown flowers loved for their fragrance and all-round usefulness.

Chinensis, Double. China Pink. Annual. All plants 20 inches high, with flowers in clusters, in many bright colors. Free-blooming type. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Deltoides. Maiden Pink. Perennial. A creeping rock-garden plant with deep rose-colored flowers on 8-inch stems in midsummer. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Heddwigi. Japanese Pinks. Annual. Dwarf, compact plants 10 to 12 inches tall, with large, spectacular flowers, fine for cutting as well as making a grand garden display.

Double, Fireball. Crimson.

Double, Violet Queen. Violet.

Double, Mixed. All colors.

All Heddwigi, pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25

Single, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Plumarius. Garden Grass Pinks. Perennial. The Pheasant-Eye, or Clove Pink should be in every garden. Plants 8 to 10 inches, with grass-like foliage and fragrant, fringed flowers. Sow from April to August.

Single, Mixed. Many beautiful colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Digitalis • Foxglove

Biennial

A plant for the back of the border. Spikes of thimble-shaped flowers on plants 3 to 4 feet tall, during June and July. Sow in early summer and transplant in the fall.

The Shirley, Giant Hybrids. An excellent strain with large flowers ranging in color from white to dark rose, each with throats spotted with crimson, maroon or chocolate. Plants 5 to 7 feet tall, with 4-foot spikes of bloom. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Finest Mixed. All types and colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Dimorphotheca

Dimorphotheca African Daisy

Annual

Dwarf plants, 12 to 15 inches high, with foliage close to the ground. Daisy-like flowers 2 to 3 inches across, with narrow petals. Flowers close toward evening.

Aurantiaca, Mixed. Shades of yellow, orange, and white. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Aurantiaca, Orange, Improved. An improved strain of the original orange variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Dolichos • Hyacinth Bean

Annual

Very pretty annual climber quickly growing 8 to 10 feet and bearing quantities of clustered flowers like pea blossoms in shades of purple and white, followed by attractive seed pods. Sow the seed in late May. Pkt. 10 cts., oz. 30 cts.

Eschscholtzia California Poppy

Annual

These hardy little annuals make very bright beds and bloom from June until frost. Flowers resemble single Poppies. Sow in early spring, where they are to bloom.

SPREADING VARIETIES

Aurantiaca. Orange.

Carmine King. Deep carmine.

Mikado. Orange-crimson.

The Geisha. Brilliant gold inside, orange-crimson outside, fluted.

All Eschscholtzias, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1

Mixed. All colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

ERECT VARIETY

Ramona. Golden bronze, coppery rose outside, frilled and incurved. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Euphorbia

Annual

Variegata. "Snow-on-the-Mountain." Showy plants growing about 2 feet high, with ornamental deep green foliage, bordered and marked with white. Seed should be sown during May. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.



Eschscholtzia, Ramona

Four o'Clock • Mirabilis

Annual

Jalapa, Mixed. "Marvel of Peru." Makes most effective beds and annual hedges. The plants grow about 2 feet tall, bearing quantities of fragrant flowers which open late in the afternoon. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.

Gaillardia • Blanket Flower

Extra-good bedding plants, and especially desirable cut-flowers.

Burgundy. Perennial. A new variety with large, wine-colored flowers. Very choice. Pkt. 25 cts., $\frac{1}{4}$ oz. 90 cts., oz. \$3.

Maxima aurea. Perennial. Rich golden yellow flowers with a large red eye. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Picta, Mixed. Annual varieties in various colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

The Dazzler. Perennial. Very large flowers of blazing orange-scarlet, illumined by a brilliant yellow edge at the tip of each ray or petal. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Geranium

Annual

Fine Mixed. Great favorites for bedding and window-boxes. Seed saved from the choicest varieties. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.



Geum, Mrs. Bradshaw



Gaillardia, The Dazzler

Geum • Avens

Perennial

Lady Stratheden. Practically the same plant as Mrs. Bradshaw, except that the flowers are shining golden yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$3.

Mrs. Bradshaw. Handsome, fairly dwarf border plant with attractive foliage, and double scarlet flowers with crimped and ruffled petals. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$3.

Globe Amaranth Gomphrena

Annual

Mixed Colors. The plants grow 2 to 3 feet tall, with globe-shaped flowers which may be cut and dried in their natural color for winter bouquets. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Godetia • Satin Flower

Annual

The plants are bushy, with attractive foliage, and the flowers are quite large, somewhat resembling single hollyhocks. Godetias make fine pot-plants.

Dwarf Double Azalea-flowered, Mixed. Lovely azalea-like flowers in various brilliant colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Sybil Sherwood. An upright plant with single flowers of bright salmon-pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Gourds

Annual

In addition to their interesting fruit, many of which are useful as well as ornamental, the vines have large foliage excellent for covering fences, stumps, trellises, etc. Sow the latter part of May.

Calabash Pipe or Powder-Horn. An intriguing pipe-shaped variety. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Cave-Man's Club. Dark green; knobby; club-shaped. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Dipper. The ripe fruits, cut away and cleaned out, make very serviceable dippers. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Dish-Cloth. Sometimes called Sponge Gourd. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Ornamental, Mixed. Includes a great number of interesting and diverse forms. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

*Gypsophila elegans alba grandiflora***Gypsophila • Baby's Breath**

These are largely used in making up bouquets and are also most attractive garden plants.

Elegans alba grandiflora. Annual Baby's Breath. An improved strain with pure white flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Paniculata alba, Single. Perennial. Tiny white flowers in airy sprays. Excellent for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Paniculata alba, Double. Fine sprays of little, double, pure white flowers. Dries nicely for winter bouquets. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Repens alba. Perennial. A trailing variety, not over 6 inches high, with white flowers in July and August. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1., oz. \$3.50.

Repens rosea. Perennial. Rose-colored variety of the above. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1., oz. \$3.50.

Helianthemum • Sun Rose

Perennial

Mutabile, Mixed. Rock-plant of shrubby habit, growing 8 to 12 inches high. Foliage evergreen. Flowers of pastel shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Helianthus • Sunflower

Annual

Sow the seed in April or May and give the plants plenty of room. Fine for massive borders and backgrounds.

Dwarf Double Chrysanthemum-flow-ered. Strong plants, growing 4 to 5 feet high, with many branches bearing big, double flowers like golden chrysanthemums. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Mammoth Russian. The common variety and the largest and most productive, growing to a height of 6 to 8 feet. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts.

Maroon Prince. Single red flowers on 4-foot plants. The best red Sunflower. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Miniature (*H. cucumerifolius*). Single bright yellow flowers, with dark brown centers. Fine for cutting as well as display. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Helichrysum • Everlasting

Annual

The best of the "Straw Flowers." To preserve the flowers for permanent bouquets, pick them when half opened and hang them by the stems, head down, to dry in a shady place. Double, bright-colored flowers.

Fireball or Scarlet **Salmon Queen**
Goldenball **Silverball**
Rose Queen **Violet Queen**
Finest Mixed

All Helichrysoms, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Heliotrope

Annual

Choice Mixed Colors. Prized for its delightful fragrance. Can be grown in pots or in the garden. Start the seed indoors in March, or sow outdoors after the soil and weather are warm. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50.

Hesperis • Rocket

Perennial

Matronalis. Sweet Rocket. The plants make large clumps 2 to 3 feet high, with showy spikes of red flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Hibiscus • Marsh-Mallow

Perennial

Finest Mixed. Shrubby perennials 4 to 6 feet tall with large foliage and immense, funnel-shaped flowers 6 to 12 inches across. Fine mixture of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Hollyhock

Wherever tall-growing plants can be used these are wonderfully effective, with a charm all their own. A favorite for the old-fashioned garden.

Chater's Double, Mixed. Perennial. An extra-fine strain in many bright colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Indian Spring. Annual. Silver Medal, 1939 All-America Selections. Semi-double, frilled pink flowers in 5 months from seed. Plants 4 to 5 feet tall. A splendid novelty. Pkt. 15 cts.

Single, Finest Mixed. Annual. Lovely single flowers in a wide range of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.



Double Hollyhocks

*Helianthemum mutabile***Honesty • Lunaria**

Biennial

An easily grown plant, about 1 $\frac{1}{2}$ feet high. The blooms may be dried for winter bouquets. Violet or White, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Humulus • Hop Vine

Annual

A very rapid-growing annual vine which, on account of its dense, attractive foliage, is valuable for porch-screens and arbors.

Green-leaved or **Variegated-leaved.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 60 cts.

Hunnemannia • Tulip Poppy

Annual

Sunlite. Semi-double flowers of clear canary-yellow. Very desirable. Grows 1 $\frac{1}{2}$ to 2 feet tall, with many blooms all summer. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Ipomoea • Morning-Glory

Annual

Fine for covering fences and trellises on account of their rapid, luxuriant growth. They bloom freely all summer. The seed may be soaked in warm water over night to hasten germination.

Heavenly Blue. Blue Moonflower. An early strain of this lovely flower. Deep sky-blue flowers of large size from midsummer until frost. Start seeds under glass, early. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Imperial Mixed. Large flowers of various pleasing colors. Sow as soon as ground gets warm. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Noctiflora. White Moonflower. Large white flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

Pearly Gates. A satiny white sport of Heavenly Blue. The 3-inch trumpets are perfect companions for the blue parent. Blooms early. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Scarlett O'Hara. Large flowers 3 $\frac{1}{2}$ inches across, of bright carmine, are freely produced on vigorous twining vines from early summer until late fall. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.25.

Job's Tears • Coix

Annual

Lacryma. An ornamental grass which grows 2 to 3 feet high and bears large, ivory-white seeds from which it gets its name. The children make necklaces from the hard seeds. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

Kochia*Annual*

Scoparia Childs. Summer Cypress; Mexican Firebush. Grows about 2 feet high making beautifully rounded bushes like clipped evergreens. In summer, foliage is bright, light green but in fall the whole plant is a ball of crimson. Sow seed in late May. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75c cts.

Lantana*Annual*

Dwarf Hybrids, Mixed. Desirable bedding plants, giving a mass of color; also useful in porch-boxes and pots. Flowers are in clusters. Blooms constantly. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$1.75.

Larkspur*Annual*

Favorite, easy-to-grow annuals, producing their tall spikes very freely for several weeks during summer. They are most effective planted in the border in groups among lower-growing flowers. Sow the seed in April and thin or transplant to stand 8 to 10 inches apart.

GIANT IMPERIAL. A new strain of annual Larkspurs that grows 3 to 4 feet high. Fine well-filled spikes.

Blue Bell. Deep sky-blue.

Blue Spire. Clear violet-blue.

Carmine King. Deep, glowing pink with a fiery sheen, almost scarlet.

Daintiness. Delicate lavender.

Miss California. Brilliant rose-pink.

White Spire. Pure white.

Mixed. All colors.

All above Larkspurs, pkt. 25 cts., $\frac{1}{4}$ oz. 50 cts.

Pink Perfection. Lovely, long-lasting flowers of clear pink. Pkt. 25 cts.

TALL DOUBLE STOCK-FLOWERED. Plants 3 feet tall, with candelabra-like branches and long spikes closely set with large, double flowers.

Rosamond. A lovely shade of pure bright rose. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

Fine, Mixed. All the colors of this type. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

DWARF EMPEROR, MIXED. A dwarf, compact strain not over 2 feet tall in an unusual range of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

For Hardy Larkspur, see Delphiniums, page 34.

**Lupinus****Lathyrus****Everlasting or Hardy Sweet Pea***Perennial*

Finest Mixed. Hardy climbers, attaining a height of 5 to 6 feet each season and living from year to year. Flowers resemble the old-fashioned Sweet Peas except that they have no fragrance. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$2.

Lily • Lilium*Perennial*

Regale. Most popular and easiest to grow of all Lilies, flowering abundantly within 18 months from seed. Perfectly hardy. Pkt. 25 cts.

For Lily Bulbs, see page 45.

Linum • Flax*Perennial*

Showy plant with gray-green foliage and flowers of great delicacy and beauty.

Perenne, Blue. Perennial. Very graceful, bright blue flowers.

Grandiflorum rubrum. Annual. Very showy crimson-scarlet flowers. Blooms all summer.

Either of above, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

**Larkspur, Giant Imperial****Linaria • Toadflax***Annual*

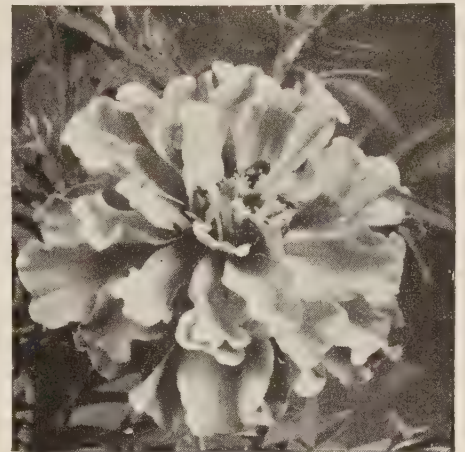
Slender little plants a foot high, bearing dainty, miniature Snapdragons of pink and purple. Excellent for edging.

Maroccana, Fairy Bouquet, Mixed. Compact, 8-inch plants with flowers of various pastel shades. Pkt. 25 cts.

Maroccana, Hybrid Excelsior, Mixed. Plants 1 foot high, with flowers of bright shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Lobelia*Annual*

Crystal Palace Compacta. Rich dark blue flowers. Dark green foliage. Dainty little plants, popular for porch-boxes, vases, and low beds. Seed should be started indoors in February or March and the plants set out in May. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50.

**Marigold, Guinea Gold.** See page 38**Lupinus • Lupin**

The Lupins do well in any good garden soil, preferably with a little shade. They make bushy plants with very attractive leaves and long spikes, closely set with blossoms. Give them plenty of lime, wood-ashes, bonemeal, or other soil-sweetening fertilizers.

Hartwegi, Mixed Colors. Annual. Quick-growing annuals with woolly foliage and stems. Erect spikes with pea-shaped flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Polyphyllus, Mixed Colors. Perennial. Grows 2½ to 3 feet tall. Sow in May or June and thin to 1½ feet apart. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Russell. A new English strain with large flowers in colors of rich yellows, oranges, red, and bicolors. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Mesembryanthemum*Annual*

Crystallinum. Ice Plant. Dwarf annual with tender stems and leaves, portions of which are transparent and resemble little icicles. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Tricolor. Brilliant red and white, with black centers. Pkt. 10 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

Mignonette • Reseda*Annual*

Highly valued for its distinct fragrance.

Giant Machet. An improved strain with giant spikes of reddish green florets. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Machet, Special Mixed. Contains all the Machet varieties. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Matricaria • Feverfew*Annual*

Double, white, button-shaped flowers on aromatic plants. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mimulus*Annual*

Moschatus. Musk Plant. Musk-scented foliage and small yellow flowers. Nice for baskets and vases. Pkt. 25 cts., $\frac{1}{4}$ oz. \$2.

Myosotis • Forget-me-not*Biennial*

Alpestris. A biennial but it will bloom the first summer from seed sown in early spring. If early spring flowers are wanted, sow in July and transplant the young plants to their permanent bed about the middle of September. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1.25.

MARIGOLD • Tagetes (Annual)

Vigorous, free-blooming annuals, thriving on any soil but preferring plenty of sunlight. The African Marigolds grow about 3 feet tall with immense, globular blooms, while the dwarf French kinds are only about 10 inches high with smaller flowers but more of them.



Marigold, Crown of Gold

Double Tall African Marigold

Dixie Sunshine. All-America Winner. A tall, late-blooming variety with ball-shaped flowers of golden yellow. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.

Guinea Gold. All-America Winner. Double, ruffled flowers of pure deep golden yellow, fragrant. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Lemon Queen. A companion to Prince of Orange, but clear lemon-yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.

Prince of Orange. Very large and double; deep glowing orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Yellow Supreme. All-America Winner. Extra-large flowers, 3 inches or more across, brilliant lemon-yellow. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mixed. Shades of orange and yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

French Marigolds

Ferdinand. A tall French Marigold with brown rays and golden tufts. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Harmony, Dwarf Double. An extra-early variety, making 12-inch mounds of bloom. The flowers are a large-crested cushion of golden yellow petals surrounded by mahogany ray petals. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Legion of Honor, Dwarf Single. Bushy. Flowers gold and brown. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Royal Scot, Tall Double. Large flowers of mahogany and gold in symmetrical stripes on 30-inch plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Royal Scot, Dwarf Double. Plants 12 to 15 inches tall with flat flowers irregularly striped brown and gold. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Finest Mixed, Dwarf Double. Double flowers of orange and yellow, variously striped and marked with reddish brown. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Other Marigolds

Collarette, Crown of Gold. Gold Medal, 1937 All-America Selections. Chrysanthemum-type flowers of deep orange surrounded by a collar of flat guard petals. Scentless foliage. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

MARIGOLD, continued

Early Sunrise. Chrysanthemum-flowered golden yellow. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.

Orange Sunset. Immense, rich orange flowers of the Gigantea type. A glorious Marigold. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Pot O'Gold. Dwarf plants 15 inches tall, bearing 4-inch blooms of deep golden orange. The little plants will carry a dozen blooms at a time. Pkt. 25 cts., oz. \$1.50.

Signata Pumila, Little Giant. Spreading plants 6 inches high, covered with lovely little single flowers of golden yellow. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.



Marigold, Harmony

Momordica

Annual

Vigorous climbing vines with ornamental fruits, and foliage that is dense enough to make a pleasant shade.

Balsamina. Balsam Apple. Flowers yellow, with dark centers. Fruits orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Charantia. Balsam Pear. Pear-shaped fruits. Dense foliage. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Nicotiana

Sweet-scented Tobacco

Annual

Fine annuals for the tall border, thriving best on a deep, rich soil. They grow about 2½ feet high, with large, attractive foliage at the base and clusters of delicately fragrant trumpet-shaped flowers on long stems.

Affinis Hybrids. Pink and red shades in addition to white. A fine sweet-scented strain. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Sanderæ Hybrids. The flowers are larger than the preceding and come in white and shades of pink and red. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.

Nasturtiums

Annual

We know of no flowers that are easier to grow or give more general satisfaction than Nasturtiums. They do best in poor soil and they flower all summer long in all kinds of weather.

SEMI-DOUBLE VARIETIES

Dwarf Golden Globe. All-America Winner. Flowers deep golden yellow, sweet scented. Plants produce a great number of blooms which resemble the famous Golden Glean.

Glorious Glean Hybrids. All-America Winner. From Golden Glean and Scarlet Glean has been derived this remarkable new strain with glorious, semi-double flowers in a beautiful array of brilliant colors, all very sweetly scented. Every plant is a protuse bloomer.

Golden Glean. All-America Winner. Compact plants 1 to 1½ feet high, with clear, golden yellow, semi-double flowers. In addition to the remarkable doubling of the bloom, the flowers possess a delicate scent which lacks the usual coarseness of the Nasturtium odor.

Scarlet Glean. All-America Winner. A worthy companion to the famous Golden Glean. The large, semi-double, fragrant flowers are dazzling scarlet. The dwarf, vigorous plants are profuse bloomers all season long.

All Semi-Double Nasturtiums, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50

SINGLE VARIETIES

Dwarf Fine Mixed Colors. Fine for beds and edging, any place where masses of color are desired. The plants are covered with flowers in a wide range of colors from June until frost.

Tall Fine Mixed Colors. The tall or climbing Nasturtiums are useful for covering fences, or may be allowed to trail over stumps and rockwork.

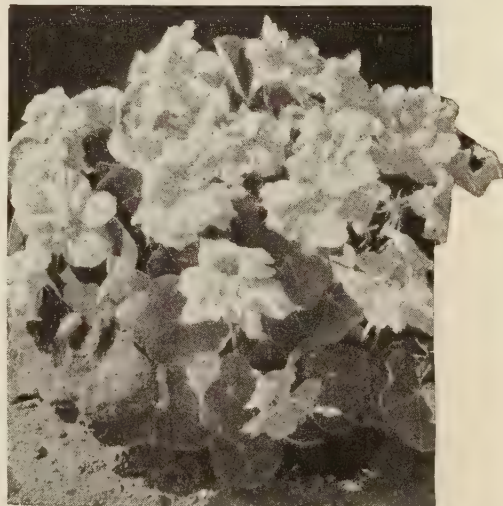
All Single Nasturtiums, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3

Nigella • Love-in-a-Mist

Annual

Pretty annual 1½ feet high, for bedding and cutting, easily and quickly grown from seed in any sunny spot.

Miss Jekyll. Fine double azure-blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.



Nasturtium, Glorious Glean Hybrids



Pansies

Pansies

The best results are secured by sowing in late July or August and protecting the young plants over winter with a covering of straw manure or a deep blanket of leaves. They will then be ready to begin blooming as soon as the weather opens up in the spring and will continue to flower until hot weather. The next best time to sow is very early in the spring, in February or March, starting the seed in a box indoors or in a coldframe and setting the plants outdoors the latter part of April. If set out in a spot that is shaded part of the day, where the soil is deep and moist, and the flowers picked daily, the plants may be kept blooming all summer.

Engelmann's Giant Mixed. Dark and light shades; huge flowers. Compact and early flowering. Choice bedding and cut-flower strain. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3, oz. \$10.

Giants of California, Mixed. A special mixture of giant types. Pkt. 20 cts., $\frac{1}{4}$ oz. \$2.50, oz. \$9.

Mastodon, Finest Mixed. An American strain with flowers often $2\frac{1}{2}$ inches in diameter. Strong in red and purple shades. Pkt. 20 cts., $\frac{1}{4}$ oz. \$2.50, oz. \$9.

Roggli Giant Blotched, Mixed. A Swiss strain with especially fine coloring. Pkt. 20 cts., $\frac{1}{4}$ oz. \$2.50, oz. \$9.

Fine Mixed Colors. A fine assortment of select varieties for bedding, including many bright and beautiful colors. Pkt. 10 cts., $\frac{1}{4}$ oz. \$2, oz. \$7.

Physalis

Perennial

Francheti. Chinese Lantern Plant. Flowers yellow with dark centers, and fruits with blood-red inflated calyx which turn bright red when ripe and resemble Chinese lanterns. Attractive when dried for winter use. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Platycodon • Balloon Flower

Perennial

Erect, leafy plants bearing a profusion of inflated, balloon-like buds, opening to wide, saucer-shaped flowers. Good border perennial for late summer blooming.

Grandiflorum. Blue. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.

Petunias Annual

For solid beds of color, borders and edging, vases and porch-boxes, in fact, for every purpose, the Petunias are surpassed by few if any of the easily grown garden annuals. They come into bloom early and continue to flower profusely all summer long, thriving on poor soil and in the hottest weather. Sow the seed in April or May, scattering it thinly on fine sifted soil and, instead of covering it, press it firmly into contact with the earth with a smooth board. When the seedlings are about 2 inches high, transplant them to the place where you want them to bloom. For extra-early flowers, start seed indoors in March or April.

LARGE-FLOWERING SINGLE FRINGED VARIETIES

Dainty Lady. An entirely new variety, with light golden yellow flowers—a shade previously unknown in Petunias. Pkt. 50 cts.

Dwarf Giants of California, Mixed. (Ramona Strain.) An improved new dwarf strain of the well-known California Giants. Flowers are large and beautifully colored, with open throats, well marked and veined. Pkt. 50 cts.

Dwarf Elk's Pride. Large and very dark purple, plain edged. Pkt. 25 cts.

Pink Beauty. Clear light pink. Pkt. 25 cts.

Pride of Portland. Deep glowing rose. Pkt. 25 cts.

Scarlet Beauty. Crimson-scarlet. Pkt. 25 cts.

White Beauty. Snowy white. Pkt. 25 cts.

Ruffled Giants, Mixed Colors. Immense single flowers with ruffled and fringed petals, in all colors. Pkt. 25 cts.

SINGLE BEDDING VARIETIES

Blue Bedder. Dwarf, compact, erect plants with fine flowers of mid-blue. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1, oz. \$5.

Fire Chief. Gold Medal, All-America Selections, 1950. Single flowers of velvety firecracker-red, $2\frac{1}{2}$ to 3 inches across. The color deepens toward the throat. Dwarf, compact plants, 12 to 15 inches tall, covered with bloom from early summer to frost. For potting and edging. Pkt. 25 cts.

Flaming Velvet. All-America Winner. The large, showy flowers are brilliant velvety blood-red or scarlet. Pkt. 25 cts.

Martha Washington. Blooms are about 3 inches across, with ruffled edges, bluish-pink, shading to dark violet in the throat; veins wine-red. Pkt. 25 cts.

Pink Gem. Grows 5 to 6 inches high, forming a compact ball completely covered with deep pink blooms 2 inches across. Pkt. 25 cts.

Rose of Heaven. Brilliant fiery rose, similar to Rosy Morn, but more brilliant. The best dwarf pink variety. Pkt. 10 cts., $\frac{1}{8}$ oz. 75 cts., oz. \$4.

Rosy Morn. Vigorous plants, 10 inches tall, compact and free-flowering. Flowers soft carmine-pink with white throat. Pkt. 10 cts., $\frac{1}{8}$ oz. 75 cts., oz. \$4.

Snow Queen. Plants of the Nana Compacta type. Cover themselves with snow-white flowers all summer and fall. A lovely variety. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1, oz. \$5.

Violacea, Blue Bird. Violet-blue. Extra fine. Pkt. 10 cts., $\frac{1}{8}$ oz. 75 cts., oz. \$4.

Striped and Blotched, Mixed. Compact plants with flowers striped and blotched. Very striking. Pkt. 10 cts., $\frac{1}{8}$ oz. 75 cts., oz. \$4.

Single, Fine Mixed. An excellent assortment for bedding, including many fine colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 75 cts., oz. \$4.

LARGE-FLOWERING DOUBLE FRINGED VARIETIES

Aldouble Giant Fringed, Mixed. A magnificent strain produced by careful hand hybridizing. The flowers are large and have beautifully frilled and crinkled petals. These Petunias make splendid pot-plants. Pkt. \$1.

Large, Double-flowering Fringed, Mixed. A fancy mixture which produces a large percentage of doubles. Pkt. 50 cts.



Petunia, Flaming Velvet

Portulaca Annual

The Portulacas will grow on soil too poor and in places too hot and sunny for any other flower. The plants are low and spreading, commencing to bloom in July and blooming profusely all summer. Sow the seed when the ground gets warm. Flowers like little roses.

Double, Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.

Single, Mixed. Very bright and attractive. Good mixture of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 60 cts. oz. \$1.

Primula • Primrose

Perennial

Auricula, Large-flowering, Mixed. Fine free-blooming flower for the rockery and perennial border. Blooms in early spring. The plants are tender and should be given light protection over winter. Seed germinates slowly; may be in the ground a year before it sprouts. Pkt. 50 cts

Pyrethrum

Perennial

Very easy to grow from seed sown any time from early spring to late summer. Seed started under glass in February will give blooming plants the first summer. Set them in full sun in fertile soil. The 2-foot flower stems make them excellent for cutting and they last very well. By cutting off the first crop of flowers a second crop will be produced in the fall.

Aureum. Golden Feather. Grown mostly for its showy golden yellow lacinated foliage. Nice for borders. Pkt. 10 cts. $\frac{1}{4}$ oz. \$1, oz. \$3.

Roseum, James Kelway. Large, daisy-like flowers of deep scarlet. An excellent cut-flower variety. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Roseum, Mixed. Large, daisy-like flowers of many colors. An excellent cut-flower. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Phlox Drummondii

Annual

Blooming in midsummer, these easily grown flowers make the most brilliant of beds. They prefer an open, sunny situation, but are not particular as to soil and will give good results under almost any conditions. Sow the seed in April or early May and thin the plants to stand about 4 inches apart.

TALL VARIETIES (about 15 in. high)
Crimson Violet, white eye
Lilac White
Rose, dark eye Yellow
Finest Mixed

All Tall Phlox, pkt. 10 cts., 1/4oz. \$1, oz. \$3

Gigantea, Art Shades. All-America Winner. A lovely strain with flowers over an inch in diameter of soft pastel shades, each with a distinctive eye. Bushy plants about 10 inches high. Pkt. 25 cts., 1/4oz. \$2,

DWARF VARIETIES Annual

Nana compacta, Mixed. These grow about 8 inches high and quite bushy, making fine borders and ribbon beds. Mixed colors. Pkt. 10 cts., 1/4oz. \$1, oz. \$3.

HARDY VARIETIES Perennial

Finest Mixed. Produces large heads of brilliantly colored flowers of many shades. Plants grow 2 to 4 feet high. Pkt. 10 cts., 1/4oz. \$1, oz. \$3.

Poppy • Papaver

Although the Poppies last for only a short time, while they are in bloom no flowers can rival them in brilliant colors. The seed is fine and should be scattered thinly in the place where the plants are wanted to bloom, as they do not transplant well. Height, 2 feet. Sow the annual sorts in April and the perennial kinds June to September.

ANNUAL VARIETIES

Double Shirley, Dazzler. Double flowers of vivid orange-scarlet. Pkt. 10 cts., 1/4oz. 25 cts.

Double Shirley, Sweet Briar. Double flowers of the same color as the Single Wild-Rose-Pink. Pkt. 10 cts., 1/4oz. 25 cts.

Shirley, American Legion. Brilliant scarlet, single blooms. An improved Flanders Poppy. Pkt. 10 cts., 1/4oz. 25 cts.

Shirley, Wild-Rose-Pink. Single flowers of soft wild-rose-pink. A beautiful flower. Pkt. 10 cts., 1/4oz. 25 cts.



Papaver nudicaule

POPPIES, continued

Shirley, Mixed Colors. Probably the finest strain of annual, single-flowered Poppies. White and pale pink to bright scarlet and deep crimson, including rose with white edge, red with white edge, etc. Very showy. Pkt. 10 cts., 1/4oz. 25 cts.

Tall Peony-flowered, Mixed. Large, double flowers with plain edges in a wide range of colors. Pkt. 10 cts., 1/4oz. 25 cts.

Tulip Poppy (P. glaucum). Dazzling scarlet with a black maltese cross at center. Pkt. 10 cts., 1/4oz. 25 cts.

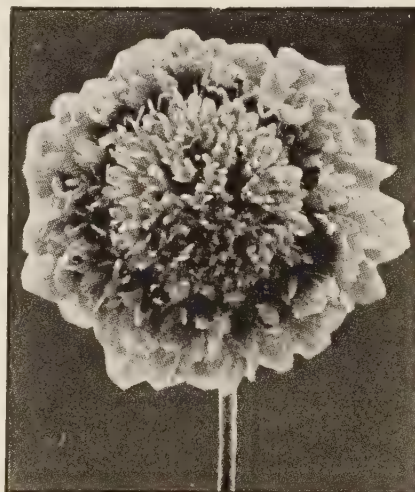
PERENNIAL VARIETIES

Nudicaule, El Monte. Large flowers of deep tangerine-orange. Pkt. 25 cts., 1/4oz. 75 cts.

Nudicaule, Sunbeam Hybrids, Mixed. A fine strain of Iceland Poppies in shades of yellow and orange. Pkt. 10 cts., 1/4oz. 75 cts.

Oriente, Scarlet. The big, bright scarlet Decoration Day Poppy. A hardy perennial form bearing immense single flowers. Pkt. 10 cts., 1/4oz. \$1.

Oriente, Mixed. A fine mixture of the various Oriental Poppy colors. Pkt. 10 cts., 1/4oz. \$2.



Scabiosa, Peach Blossom

Rhodanthe Swan River Everlasting

Annual

Mixed Colors. Can be dried in its natural colors for winter bouquets. It is an easily grown annual, about 1 1/2 feet tall, with silvery gray leaves and very pretty, little, double flowers. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Salpiglossis • Painted Tongue

Annual

A popular, easily grown garden annual, richly colored and fine for cutting. The flowers are borne in clusters at the top of long stems and are produced very freely from midsummer to fall. Sow the seed in late April or May and thin the plants to stand about 10 inches apart.

Brown and Gold **Scarlet and Gold**
Golden Yellow **Velvety Red**
Light Blue and Gold **Finest Mixed**

All Salpiglossis, pkt. 15 cts., 1/4oz. 35 cts., oz. \$1



Phlox Drummondii, Art Shades

Salvia • Sage

Start the seed indoors or in hotbeds very early, during January or February if possible. When 2 to 3 inches high transplant into small pots or space to 6 inches apart. Transplant to the garden in late May, in a sunny location and rich, deeply dug soil, setting the plants at least 1 1/2 feet apart.

America. Annual. Grows about 1 1/2 feet tall. Plants a mass of light blazing scarlet. Profuse bloomer. Pkt. 10 cts., 1/4oz. \$1.50, oz. \$5.

Bonfire. Annual. A select strain, fine for mass planting, as it is very compact in growth and has exceedingly brilliant scarlet flowers. Pkt. 10 cts., 1/4oz. \$1.50, oz. \$5.

Farinacea, Blue Bedder. A fine perennial with light blue flowers on spikes about 2 feet long. Seed sown in early May should give plants that bloom from July to frost. Pkt. 15 cts., 1/4oz. \$1.10, 1/4oz. \$1.75, oz. \$6.

St. John's Fire. Annual. Brilliant scarlet flowers. An early and continuous bloomer. Dwarf. Pkt. 25 cts., 1/4oz. \$2, oz. \$7.

Splendens. Annual. The original Scarlet Sage. It grows about 2 feet tall and is covered with large, bright red blossoms all summer long. Pkt. 10 cts., 1/4oz. \$1.50, oz. \$5.

Scabiosa • Mourning Bride

Annual

One of the finest annuals for cutting. Grows in almost any situation; 2 1/2 to 3 feet high; blooms for a long season.

Azure Fairy. Azure-blue.

Black Prince. A very dark purple.


Cherry-Red. A nice shade of red.

Loveliness. Soft salmon-rose.

Peach Blossom. Peach-blossom-pink.

Shasta. Pure white.

Above Scabiosa, pkt. 15 cts., 1/4oz. 25 cts., oz. 75 cts.

 **Blue Moon.** Erect, free-blooming plants with thick heads of deep lavender-blue. Pkt. 15 cts., 1/4oz. 50 cts., 1/2oz. 75 cts.

Giant-flowered, Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Schizanthus • Butterfly-Flower

Annual

Wisetonensis Excelsior compactus. A dainty little plant 6 inches high, adapted to bedding and borders. Blooms freely during the entire summer. An excellent pot-plant. Finest mixed, pkt. 15 cts., 1/4oz. \$1.25.

Stock • Gilliflower Annual

Large-flowering, Mixed. The old-fashioned Ten-Weeks Stocks are beautiful, free-flowering, sweet-scented annuals, requiring a mellow soil. Sow the seed in April or May and give the plants 12 to 15 inches of space. Pkt. 10 cts., 1/4oz. \$1.25, oz. \$2.50.

Sweet Peas,
Spencers

Sweet Peas

Annual

Sweet Peas bloom best in an open, sunny situation. Keeping the flowers picked as fast as they open prolongs the period of bloom. The old-fashioned or Grandiflora type of Sweet Peas are hardy and very floriferous and the flowers are heavily scented, although of only medium size and rather stiff in form. The new Spencer or Waved Sweet Peas are much larger and finer in form as well as colors, but not quite so free-blooming. Plant as early as the ground can be worked, in deeply prepared rich soil. Never allow the soil to dry out after the plants appear.

Summer-flowering Spencers

Distinguished by giant size, often measuring 2 inches in diameter, and by beautifully waved petals. Hundreds of varieties are known to specialists and new sorts are being constantly produced by English and American breeders, but we believe that the varieties we offer comprise the best and most satisfactory of the new as well as old, in all of the favorite colors.

One ounce of seed will plant a row about 15 feet long

Ambition. Rosy lavender.
Avalanche. Glistening white.
Black Diamond. Dark maroon.
Crimson King. Rich deep crimson.
Damask Rose. Deep rose.
Fluffy Ruffles. Light cream-pink.
Gigantic. Best white.
Gleneagles. Large; pale lavender.
Grand Slam. Cerise-scarlet.
Jubilee. Scarlet.
Mastercream. Cream.
Mrs. A. Searles. Bright salmon.
Olympia. Rich purple.
Prince of Orange. Deep orange.
Pinkie. Large; rose-pink.
Red Rover. Fine dark crimson.
Red Supreme. Deep crimson.
Reflection. Clear blue.
Ruffled Mauve. Pure mauve.
The Admiral. Violet-blue.
Welcome. Dazzling scarlet.

All above Spencer Sweet Peas, pkt. 10 cts., oz. 30 cts., ¼ lb. \$1, lb. \$3

Mixed Spencer. A wonderful mixture of the finest varieties in many beautiful colors. Pkt. 10 cts., oz. 25 cts., ¼ lb. 60 cts., lb. \$2.

SWEET PEAS, continued

Cuthbertson Strain. A new strain with strong heat resistance and vigorous growth. Finest mixed. Pkt. 20 cts., oz. 80 cts., ¼ lb. \$2.50.

Grandiflora. The old-fashioned, deliciously fragrant kind. Mixed colors. Oz. 10 cts., ¼ lb. 30 cts., lb. \$1.

Sweet William *Dianthus barbatus*

Biennial

A great favorite in all gardens. Easily grown from seed. The flowers are borne in large trusses and are delightfully fragrant. Sow any time from early spring to July. The plants should stand at least 8 inches apart.

Double Varieties, Mixed Colors. The double flowers are very attractive in form as well as colors. Pkt. 10 cts., ¼ oz. 60 cts., oz. \$2.

Newport Pink, Single. A single variety of a salmon-rose shade. Fine cut-flower. Pkt. 10 cts., ¼ oz. \$1, oz. \$3.

Single Varieties, Mixed Colors. A wide range of colors, many with distinct "eyes" or margins of a different shade. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

Thunbergia • Black-eyed Susan

Annual

A slender climbing or trailing annual with many little flowers, varying from palest primrose to deep buff-yellow, all with dark centers, from which it derives its common name. Start indoors in February or March. Pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.

Tithonia

Annual

Torch. An easy to grow annual. Flowers brilliant orange-scarlet borne on long stems. Plant grows about 3 feet high. Fine for cut flowers. Blooms August until frost. Pkt. 25 cts., ¼ oz. \$1.50, oz. \$5.

Mexican Sunflower. A tall annual with very striking rich orange-scarlet flowers. Fine for clumps in the tall border. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.75.

Veronica • Speedwell

Perennial

Spicata. Sturdy plants bearing erect spikes of dark blue flowers in midsummer. A good low perennial about 18 inches tall, useful for garden decoration and cutting. Pkt. 10 cts., ¼ oz. \$1.50, oz. \$5.

Verbena

Annual

Low, spreading plants with handsome dark green foliage and great clusters of sweet-scented flowers all summer long. Old favorites for low beds and edging, also for boxes and vases. Sow indoors in February or March.

GRANDIFLORA GIGANTEA HYBRIDS. A showy type with giant flowers in fine heads. The colors are brilliant and stand out against the lovely green foliage. A continuous bloomer from midsummer on.

Beauty of Oxford. Spectacular heads of nice form. The color-range is from rose-pink to rose-red.

Lavender Glory. Large flowers of pure lavender with a creamy white eye.

Royale. Royal blue, creamy yellow eye.
Scarlet Queen. Rosy scarlet, large white eye.

Spectrum Red. Intense bright red.

All Grandiflora Gigantea Hybrids, pkt. 15 cts., ¼ oz. 75 cts., oz. \$2.50

VERBENA, continued

MAMMOTH HYBRIDS. These varieties produce extra-large flower-heads with individual florets often measuring an inch across.

Blue Shades.

Defiance. Scarlet.

Lucifer. Brilliant scarlet.

Pink and Rose Shades.

White.

Mammoth, Mixed.

All Mammoth Hybrid Verbenas, pkt. 10 cts., ¼ oz. 75 cts., oz. \$2.50

Vinca rosea

Madagascar Periwinkle

Annual

Forms handsome, bushy bedding plants that bloom profusely all summer from seed sown indoors in February or March, and is fine for pot culture. Height, 1 to 1½ feet.

Finest Mixed. An excellent assortment of Red, White with Rose center, Pure White, and Pink. Pkt. 10 cts., ¼ oz. 75 cts., oz. \$2.50.

Viola

Perennial

Finest Mixed. The most attractive colors of this desirable spring flower. Pkt. 25 cts., ¼ oz. \$1.50, oz. \$5.

Wallflower Perennial

The Wallflowers are perennials but in our rigorous climate they require protection over winter and are best carried over in a cold-frame. Sow the seed indoors in March or outdoors late in May and space the plants about 8 inches apart. The flowers are clustered on spikes 1½ feet tall, and are very fragrant.

Double Varieties, Extra-Fine Mixed. Artistic shades of coppery red, bright brown, bronzy yellow, etc. Pkt. 50 cts.

Wild Cucumber Vine

Annual

Lobata. A very rapid-growing, vigorous climber, often running 30 to 40 feet in a season. It bears small, white, slightly fragrant flowers, followed by spiny seed-pods. Pkt. 10 cts., ¼ oz. 20 cts., oz. 60 cts.



Tithonia, Torch

ZINNIAS • Youth and Old Age

Few flowers provide a more gorgeous display with less care or attention; all they require is a sunny spot to cause them to grow and bloom vigorously from early summer until frost. The seed may be sown in the garden any time during April or May and the plants

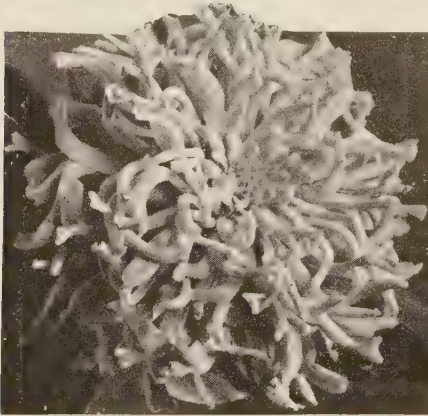
thinned or transplanted to stand 8 to 18 inches apart, according to variety. The largest specimen blooms are produced on plants that are grown on a mellow, moderately rich soil and given ample room to develop.

GIANT DOUBLE DAHLIA-FLOW-ERED VARIETIES. Plants 2½ to 3 feet high, bearing huge, double flowers resembling the Show type of Dahlia.

Crimson Monarch. Deep crimson.
Dream. Deep rosy lavender.
Exquisite. Light rose, deep rose center.
Giant Attraction. Brick-red.
Golden Dawn. Golden yellow.
Illumination. Deep rose.
Oriole. Orange and gold bicolor.
Polar Bear. Pure white.
Scarlet Flame. Bright scarlet.
Will Rogers. Brilliant scarlet-red.
Finest Mixed. All colors.

All above, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

ELEGANS, CURLED AND CRESTED. Tall, double flowers with the petals artistically twisted and curled. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.



Zinnia, Fantasy

FANTASY

Shaggy-petaled flowers of medium size; fine for cutting.

Rosalie. Intense rose.
Star Dust. Golden yellow.
Wildfire. Dazzling scarlet.

All above, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

Finest Mixed. A bright colorful mixture. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

CALIFORNIA GIANTS. Plants 3 to 4 feet high; flowers large and flat, with long stems. Excellent for cut-flowers.

Crimson Queen, Daffodil (Canary-yellow), **Lavender Queen, Purity** (White), **Scarlet Queen, Violet Queen, Finest Mixed.** Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

DOUBLE MEXICAN HYBRIDS

Haageana, Finest Mixed. Small flowers on low, bushy plants, making a fine display over a long season. Stems are long enough for cutting. Pkt. 15 cts., ¼oz. 40 cts., oz. \$1.25.

DWARF DOUBLE VARIETY. Cut-and-Come-Again. An excellent bedding type not over 2 feet tall. Distinct colors. Finest Mixed. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.

POMPON or BABY DWARF VARIETIES. A popular type for cutting. Small compact flowers. Plants 1½ to 2 feet tall.

Canary Gem, Salmon Gem, Crimson Gem, Lilac Gem, Purple Gem, Rosebud, Scarlet Gem, Valencia (Orange) or **Mixed.** Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.

SCABIOSA-FLOWERED. Resembles the annual Scabiosa, with ray petals surrounding a large cushion.

Giant Crested. A new large-flowered crested variety with shades of orange, yellow, scarlet, maize, rose, and crimson predominating. Lovely for cutting and garden decoration. Pkt. 25 cts.

Finest Mixed. Pkt. 15 cts., ¼oz. 75 cts.



Double Dahlia-flowered Zinnia

Flower Seed Mixtures

Scott's Annual Cut-Flower

Here is a mixture of annuals that we do not hesitate to recommend. Anyone is sure to have success with it, and it provides continuous bloom all summer. Pkt. 10 cts., ¼oz. 25 cts., oz. 45 cts., ¼lb. \$1.50.

Scott's Annual Rock-Garden

A carefully selected assortment suitable for the rockery. Especially useful to fill vacancies. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.

Scott's Perennial Rock-Garden

A fine collection for permanent plants for the rock-garden. Recommended to the beginner. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

GARDEN BOOKS

GARDEN GUIDE. A most complete book for the amateur. Written by 28 authors. Covers the entire place from landscaping through the finished garden, both fruit, vegetable, and flower. Chapters on soils, fertilizers, diseases, insects, propagation, transplanting, pruning, winter protection, etc. 576 pages; over 300 illustrations. Cloth, \$3.50.

1001 GARDEN QUESTIONS ANSWERED. By Alfred C. Hottes. Covers every phase of gardening on the home-grounds except fruits and vegetables. Gives very useful and practical information for the home-gardener. 388 pages; 160 illustrations. Third edition. \$3.

WHAT EVERY ROSE-GROWER SHOULD KNOW. Prepared for the American Rose Society as a primer for beginners. Tells all the steps in rose-growing from preparing the ground, through planting, protection against insects and diseases, summer care, pruning, and winter protection. 80 pages; 4 illustrations in color, 5 in black and white, and numerous sketches. \$1.

HOW TO GROW ROSES. By McFarland and Pyle. A completely rewritten edition of America's most popular rose book. 192 pages, profusely illustrated, many in color. \$2.49.

GARDEN FLOWERS IN COLOR. By Daniel J. Foley. Here is the only book to show the important garden flowers in accurately colored photographs—350 of them. It identifies each plant, and gives brief and adequate cultural directions. A guide book for the beginner and a reference book for the advanced gardener. \$2.95.

GARDEN BULBS IN COLOR. By McFarland, Hatton and Foley. Has 275 color-plates and 100 beautiful half-tones. Complete cultural notes are included. 296 pages. \$3.49.

THE COMPLETE BOOK OF GARDEN MAGIC. By Roy E. Biles. Tells exactly how to plan your garden. Gives suggestions, instructions, diagrams, illustrations, step by step, month by month, to make your garden more beautiful. 27 chapters of practical advice; Lawns and Grading, Planting and Transplanting, How to Plant Bulbs, How to Prune Roses, Soilless Gardening, Soil Fertility, Rock Gardens, Window Boxes, Vegetable Garden, Flower Arrangement, Garden Calendar—the kind of information you have always wanted. Over 300 pages. \$3.50.

VEGETABLE GARDENING IN COLOR. By Daniel J. Foley. Expert and practical directions for growing all the common vegetables, herbs, and berries. Has chapters on insects and diseases and winter storage. A valuable guide for home-gardeners. 256 pages; 150 pictures in full color. \$2.49.

THE MODERN FAMILY GARDEN BOOK. By Roy E. Biles. Shows you what to plant—where, when, and how. A thoroughly reliable book packed full of useful, easy-to-apply information, with detailed illustrations. Contains the latest in care of lawns and use of new weed killers. 160 pages, 400 diagrams, charts, and tables. (A condensation of THE COMPLETE BOOK OF GARDEN MAGIC.) \$1.75.

THE BOOK OF BULBS. By F. F. Rockwell. Here is the "last word" on bulbs and how to grow them, both outdoors and inside the home. 264 pages; 187 illustrations. \$4.

GLADIOLUS. By F. F. Rockwell. 79 pages; 45 illustrations. \$1.75.

HOW TO INCREASE PLANTS. By Alfred C. Hottes. Especially written for the amateur, but presents all the methods followed by the commercial propagator. 288 pages, 128 illustrations. \$3.

PLANNING AND PLANTING YOUR OWN PLACE. By Louis Van De Boe. Written to enable the amateur to plan and plant his place without professional help. 209 pages. Illustrated. \$2.95.

LANDSCAPING THE HOME GROUNDS. By L. W. Ramsey. Shows exactly how to beautify the home for greatest pleasure. 170 pages. Many illustrations. \$3.

PEST CONTROL IN THE HOME GARDEN. By Louis Pyenson. An invaluable book for those who are striving to grow healthy plants and take pride in good crops. Has chapters on fruit trees, small fruit, and vegetables. 190 pages; 111 illustrations. \$2.75.

SUCCESS ON THE SMALL FARM. By Haydn S. Pearson. Tells what every successful farmer must know, from starting out to getting the most profit out of his farm. Contains valuable information for both the beginner and the established farmer. 285 pages; illustrated. \$2.50.

THE "HAVE-MORE" PLAN. By Ed and Carolyn Robinson. More and more people are moving to the country these days and this book is written especially for them. Very interesting and instructive. 326 pages. Illustrated. \$3.49.

If the book you are wanting is not listed, give us the subject and we will be glad to tell you what is available, and the price



FEW FLOWERS ARE LOVELIER OR EASIER TO GROW

10 cts. each, \$1 per doz., \$7
per 100, except as noted

There are few flowers to compare with the Gladiolus for all-round usefulness in the home-garden. Their graceful form, attractive colors, and characteristic markings have given them the popular name of "Garden Orchids." Plant the bulbs any time after mid-April up to the end of June, setting them about 4 inches deep and 6 inches apart. For a constant supply of flowers for cutting from August to frost, make plantings every week or ten days. Our bulbs average 1½ inches and over in diameter, which is considered the very best flowering size. Thrips are, possibly, the greatest enemy of Gladiolus and we recommend that the bulbs be treated with Semesan before planting. When the growth is about 6 inches high, begin spraying with Deenate 50W and continue spraying at 10-day intervals to protect new growth.

Red Shades

Algonquin. Bright scarlet. A winner in its color class.

Beacon. Bright scarlet with large cream blotch.

Black Opal. Extremely dark red. One of the best dark reds. Very tall.

Mohawk. Brilliant dark red. Excellent grower, tall spike. 15 cts. each, \$1.50 per doz., \$11 per 100.

New Europe. Vivid light orange-red. Opens 6 to 8 large flowers on a tall, husky spike. Very good color.

Red Charm. Excellent deep medium red. Very consistent grower of the exhibition class. 12 cts. each, \$1.25 per doz., \$9 per 100.

Red Lightning. Excellent light red of great size with white blotch. Many flowers open at one time.

Stoplight. Deep crimson flowers, slightly ruffled. Well-placed, large open blooms. Withstands heat.

Valeria. Most distinctive scarlet-red. Flowers well placed on a tall, stiff spike. Most widely grown red. 12 cts. each, \$1.25 per doz., \$9 per 100.

Rose and Pink Shades

Avalon. Bright rosy pink blending into a cream throat. Flowers of good size, on a medium-height plant. Very attractive. 12 cts. each, \$1.25 per doz., \$9 per 100.

Big Top. Light pink with a carmine feather. Extremely tall and large. 15 cts. each, \$1.50 per doz., \$11 per 100.

Burma. One of the leading Gladiolus of deep rose color. Heavily ruffled blooms. Excellent exhibition flowers. 15 cts. each, \$1.50 per doz., \$11 per 100.

Chamouny. Deep rose with silver margin. Opens up to 10 blooms on a tall straight spike. Very distinctive and beautiful. 12 cts. each, \$1.25 per doz., \$9 per 100.

Corona. Creamy white with pronounced rose edges. An outstanding variety. Large flowers on a very tall spike. 12 cts. each, \$1.25 per doz., \$9 per 100.

Ethel Cave-Cole. Fine clean light pink; tall straight spike. Huge flower-head. Often flecks.

Margaret Fulton. Beautiful rich dark salmon of distinctive form. A wonderful cut-flower as well as decorative type. Early and has ability to withstand heat.

ROSE AND PINK SHADES, continued

Pandora. Beautiful soft geranium-pink. Excellent flower and a favorite. 15 cts. each, \$1.50 per doz., \$11 per 100.

Picardy. Wonderful salmon-pink. Extra-tall, strong spike. For years the most preferred Gladiolus.

Pink Radiance. Pure light pink with touch of carmine in throat. A leader in the pinks.

Leeuwenhorst. Large light rose with many flowers open at one time. Extra tall. 12 cts. each, \$1.25 per doz., \$9 per 100.

Rose of Lima. Tall, early show variety. Flower is lovely light rose.

Santa Barbara. Slightly ruffled, saffron-pink flowers turning to apricot in center; narrow line of scarlet in throat. Large spike.

Yellow and Orange Shades

Barcarole. Clear orange with 6 ruffled blooms open on a medium-long spike. Very fine.

Bit O'Heaven. Medium-sized florets of orange with a yellow throat. Tall, straight spike opening 9 to 12 flowers.

Lady Jane. Cream with light yellow on lower petals. 12 cts. each, \$1.25 per doz., \$9 per 100.

Mother Kadel. Clear pure yellow without markings. Opens 5 to 7 fine flowers with five or more showing color. 12 cts. each, \$1.25 per doz., \$9 per 100.

Oregon Gold. Light yellow blending to a deeper throat. Opens up to 10 medium-sized blooms on a tall spike.

Paradise. Large apricot flowers, many open at one time. Makes a splendid cut-flower variety. Tall strong spike, rich and refined. Early.

Spotlight. Deep yellow blending beautifully with a small scarlet blotch. Considered the best yellow.

Yellow Herald. Amber-yellow with carmine throat lines. Flowers medium sized. Excellent variety. 12 cts. each, \$1.25 per doz., \$9 per 100.

Scott's Garden Mixture

A mixture of standard varieties in many beautiful colors that will make a fine showing in the garden or for cut-flowers. Large, healthy bulbs, 65 cts. per doz., \$4.50 per 100.

See Gladiolus Collection Offer on 3d cover.

Blue, Lavender, Purple and Smoky Shades

Abu Hassan. The finest variety in the deep violet-blue color. Extra-fine flower on an average-height plant. 15 cts. each, \$1.50 per doz., \$11 per 100.

Badger Beauty. Beautiful lavender with cream-white throat. Opens 5 to 6 blooms with many buds. 12 cts. each, \$1.25 per doz., \$9 per 100.

Blue Beauty. The best light blue. Vigorous grower with excellent habits.

Elizabeth the Queen. Very beautiful, ruffled light mauve-lavender with darker lines in the throat. The best of the light lavenders. 12 cts. each, \$1.25 per doz., \$9 per 100.

Irak. Clear gray; tall strong grower. A very nice smoky shade.

Minuet. Clear lavender. Considered the finest in its class. Excellent commercial and exhibition variety. 12 cts. each, \$1.25 per doz., \$9 per 100.

King Lear. Clear reddish purple. Opens 6 to 7 large, somewhat loosely attached blooms on a very tall spike. The best ruffled purple.

Purple Supreme. Deep purple with light edging on petals. Medium-sized blooms on a tall straight spike. Best purple today.

Vagabond Prince. Brown toned smoky, with bright scarlet blotch. Medium-sized blooms on a tall straight spike.

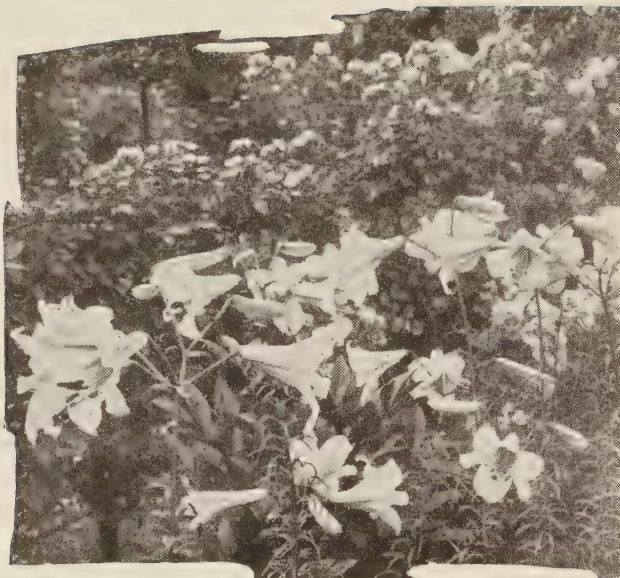
White Shades

White Gold. One of the largest and healthiest cream Glad in existence. Extra tall with huge spikes.

Leading Lady. Outstanding creamy white sport of Picardy. Has an enviable show record and is the leader in its color.

Margaret Beaton. Strong grower. Finest pure white background with a bright red blotch. A consistent show winner. One of the finest varieties.

Snow Princess. Creamy white. Opens 6 large blooms on a fine spike. One of the best whites.



Lilium regale

Anemone • Windflower

Suitable for pot or border culture and for massing. Flowers very charming and colorful.

Blue Poppy. A newer variety of a sky-blue color.

De Caen. A very large-flowered, single strain of unique beauty. All colors.

His Excellency. Rich crimson flowers from June until frost.

St. Brigid. Very large, vivid flowers of scarlet, pink, purple, etc.

All Anemones, 10 cts. each, \$1 per doz., \$7 per 100

Caladium esculentum

Elephant's Ear. Plants produce large, broad green leaves and grow from 3 to 5 feet high. Plant the bulbs late in May, after all danger from frost is past, spacing them 2 to 4 feet apart and covering them a few inches deep. Give plenty of water throughout the season; liquid manure is very beneficial. Large bulbs, 25 cts. each, 3 for 65 cts., \$2.50 per doz. Extra large bulbs, 35 cts. each, 3 for 95 cts., \$3.50 per doz.



Anemone, St. Brigid

Summer-Flowering BULBS

In planning a season-long garden, the summer-flowering bulbs are too often overlooked. They are useful in a number of ways—for supplying color in midsummer when many perennials are out of bloom, for filling gaps in the border and for furnishing flowers for cutting. All are of easy culture, and many of them may also be grown indoors.

Tuberous-rooted Begonias are currently very popular again, as gardeners discover their striking beauty. When their basic needs are supplied, they pay for themselves many times over. Both these and Gloxinias do well in pots, as well as in shaded garden beds. Tuberose and Peruvian Daffodils are valued especially for their fragrance. Tigridias deserve to be better known, for their rich crimson, yellow and orange blooms are exotic accents in a shrub or perennial border.

TUBEROUS-ROOTED BEGONIAS

Graceful, free-flowering plants suitable for bedding or pot culture. They make strong, fleshy stems a foot or more high with big, very beautiful leaves, crowned by flowers of enormous size and almost unbelievable brilliance. Blooms $4\frac{1}{2}$ to 5 inches across are not unusual. Bulbs are hollowed on one side, and in planting, the hollowed side must be up. They do best in shady or semi-shady places. Bulbs should be started in pots or pans indoors in February or March and transplanted to the garden about the time that corn is growing well. They may also be started outdoors at the same time.

Single Frilled. Flowers beautifully frilled and fringed. In separate colors, white, scarlet, pink, or yellow.

Camellia-flowered, Double. Double flowers resembling a fine camellia. In separate colors, red, rose, white, or orange.

Any of the above, 35 cts. each, 3 for 95 cts., \$3.65 per doz., 25 for \$7.

Tuberous Begonias. A complete treatise on this most beautiful flower. 128 pages. \$2.75.

Gloxinia

Beautiful velvety flowers of trumpet shape, easily grown indoors or in shaded garden spots. The large foliage is covered with plush-like hairs, and should not be wet. Keep them warm at all times.

Blanche de Meur. Pink.

Browns Red. Vivid red.

Brunhilde. Pure white.

Emperor Frederick. Scarlet with white band.

Emperor William. Deep violet banded white.

Etoile de Feu. Scarlet.

Othello. Deep purple.

Tigrina. Spotted.

50 cts. each, 3 for \$1.35, \$5 per doz.

Hyacinthus candicans

Summer Hyacinth. Tall spikes with scores of drooping, bell-shaped white flowers in midsummer. Very attractive and unusual. Handle like gladiolus.

15 cts. each, 3 for 40 cts., \$1.50 per doz.

Ismene calathina

Peruvian Daffodil. Enormous, richly fragrant white flowers of the amaryllis type, curiously cupped and most attractive. Easy to grow. Plant in a warm, sunny soil.

40 cts. each, 3 for \$1.10, \$4.25 per doz.

Oxalis

Summer-blooming. Charming low, bushy plants for growing in pots, borders or rock-gardens, with clover-like leaves and round, cheerful flowers of various shades of pink and crimson which close at night. Continue in bloom for many weeks. 20 cts. for 15 bulbs, \$1.25 per 100.

Ranunculus

Fine, brilliantly colored, double and semi-double flowers in a range of finest colors. Excellent for cutting. 3 for 35 cts., \$1.25 per doz., \$8 per 100.

Tuberose

Old-fashioned flowers valued for their fragrance. Start the bulbs indoors in March and transplant to the open in early May. Flowers creamy white, large, and double.

	Each	3 for	Doz.
First-Size Bulbs...	\$0 20	\$0 55	\$2 00
Mammoth Bulbs...	25	65	2 50

Tigridia

One of the most spectacular flowers grown in gardens. The 5- to 6-inch triangular blooms have three long petals of yellow, orange, white, flesh-pink, or red, and three short petals forming a shallow cup filled with spots, stains, and blotches of red. They last only a day but they continue coming from July until September. Mixed colors, extra-large bulbs, 15 cts. each, \$1.50 per doz., \$12 per 100.

All Bulbs Sent Postpaid at Prices Quoted



Canna

Cannas

Roots may be started indoors in pots or shallow boxes in March or April and planted out late in May. Dormant roots should not be planted outdoors until the ground warms up.

For best results beds should be dug at least 18 inches deep and generous quantities of manure well mixed with the soil.

20 cts. each, \$2 per doz., \$15 per 100

City of Portland. Clear glowing rosy pink flowers of unusually large size. Broad, rich green leaves. Wonderfully effective and the best Canna of its color. Height 3½ feet.

Golden Gate. Flower pure gold changing to orange-crimson. Green foliage. 4 feet.

King Humbert. On account of its rich purplish bronze foliage, one of the most handsome. Flowers orange-scarlet, freely produced for a long season. Height 4½ feet.

The President. Enormous glowing scarlet flowers of wonderful substance borne erect on strong stems; luxuriant deep green foliage. Blooms continuously from midsummer until frost. Height 4 feet.

Yellow King Humbert. A large-flowered yellow variety, popular for tall beds. Flowers deep yellow, blotched with red; leaves dark green. Height 5 feet.



Lilium regale

Hardy Lilies

Showy garden flowers of the utmost beauty and stateliness, which are enormously popular just now. Plant them 6 to 8 inches deep and as early as possible in well-drained unfertilized soil, and let them alone. Spread an inch of sharp sand under each bulb to provide drainage. Cover with litter when hard frosts come.

Auratum (Gold-banded Lily). White flowers of enormous size with crimson spots and golden stripes. Blooms in August. \$1 each, 3 for \$2.85.

Henryi. Rich apricot-yellow spotted brown. Blooms in July and August. 75 cts. each, 3 for \$2.10.

Philippinense formosanum. A lovely easy-to-grow Lily which blooms during September and October. The slender trumpets are 5 to 6 inches long, pure white inside, greenish white with rosy stripes outside. Delicious fragrance. 60 cts. each, 3 for \$1.65, \$6.25 per doz.

Regale (The Royal Lily). Enormous, trumpet-shaped flowers with waxy white petals suffused with gold inside and stained with purple outside; fragrant. Does well in almost any situation, growing 2 to 4 feet

high and bearing its blooms in a whorl at the top. 75 cts. each, \$8 per doz.

Speciosum album. Pure white Lily blooming in August. \$1.25 each, 3 for \$3.60.

Speciosum rubrum. Flowers white, shaded with deep rose and spotted red. Grows 3 to 4 feet tall, blooming in August and September. \$1 each, 3 for \$2.85.

Tenuifolium (Coral Lily). Small flowers of bright coral-scarlet. Blooms in June. 35 cts. each, \$3.75 per doz.

Tigrinum splendens (Tiger Lily). Grows 4 to 6 feet tall; flowers orange-red and brown. 35 cts. each, \$3.75 per doz.

Umbellatum. Sturdy, 2-foot plants bearing umbellate heads of erect, spreading flowers of rich orange. Easy to grow. June bloom. 35 cts. each, \$3.75 per doz.

Dahlias

The ease with which Dahlias can be grown, their endless variety of color, size and form, and their usefulness for cutting as well as garden decoration insure them a place in every garden. Plant the tubers about 4 inches deep in well-dug soil during May or June, and allow at least 2 feet between plants.

30 cts. each, 3 for 85 cts., \$3.25 per doz.

Decorative Varieties

Avalon. Fine clear yellow.

Darlene. Rose-pink with lighter center.

Forest Fire. Scarlet with brushes of yellow.

Gallant Fox. Dark claret-red.

Gertrude Brinton. Beautiful scarlet.

Jane Cowl. Buff-salmon and orange.

Jersey Beacon. Red with yellow tips.

Lida. Beautiful yellow.

Margaret Woodrow Wilson. Light pink.

Marshall's Pink. Beautiful clear pink.

Miss Oakland. Pure white, large flower.

Mrs. C. D. Anderson. Large purple.

Mrs. Geo. Le Boutelier. Giant carmine.

Mrs. Helen McCullough. Yellow with red.

Mrs. I. De Ver Warner. Lavender.

Rose Glory. Excellent rose-pink.

Royal Pennant. Deep purple.

Sagamore. Amber shaded salmon.

Sanhican's Bluebird. Blue-lavender.

Sanhican's Monarch. Deep lavender.

Snowdrift. Very fine white.

The Commodore. Extra-large yellow.

Thomas A. Edison. Purple-violet.
White Wonder. Extra-large white.

Cactus Varieties

Beaute. Pure yellow.

Cometeer. Bronzy gold.

Dainty. White.

Libelle. Purple.

Satan. Large flaming red.

Ball or Show Varieties

A. D. Livoni. Pink.

Maude Adams. Lavender.

Red Chief. Red. Very prolific.

Storm King. White.

Yellow Ball. Yellow.

Pompon Varieties

Edith Mueller. Bronze.

Golden Queen. Yellow.

Morning Mist. Pink.

Rosalie. Red.

Snowclad. White.

Pond and Marsh Plants

Hardy Water-Lilies require little care and may be left without disturbing for several years. A few ornamental fish in the pool add to interest and keep mosquitoes under control and a few snails will keep the water clean.

Hardy Water-Lilies

	Each ppd.
Blue Beauty. (Tropical.) Day	
blooming. Glorious rich blue.	\$3 00
Chromatella. Rich canary-yellow.	2 50
Comanche. Sunset shade.	3 00
Firecrest. Pink.	2 50
General Pershing. (Tropical.)	
Light pink.	3 00
Gladstone. Pure white; large.	2 25
Gloriosa. Red. Very free bloomer.	3 25
Mrs. George Pring. (Tropical.)	
White.	2 75
Panama-Pacific. (Tropical.) Day	
blooming. Purple.	2 75

Marsh or Bog-Plants

Anacharis. Oxygenating plant.	
	15 cts. each
Blue Flag.	3 for \$1
Giant Arrowhead.	3 for 75 cts.
Graceful Cattail.	3 for 75 cts.
Parrot Feather.	20 cts. each
Pickrel Rush.	35 cts. each, 3 for \$1
Primrose Creeper.	20 cts. each
Umbrella Palm.	35 cts. each, 3 for \$1
Variegated Sweet Flag.	3 for \$1
Water Hyacinth.	15 cts. each
Water Poppy.	20 cts. each
Yellow Flag.	3 for \$1



Roses

THE QUEEN OF FLOWERS

The Rose has been for thousands of years the queen of flowers, and no garden can be complete without representatives of the different types of these lovely blooms. We list here only the best varieties of the different classes of Roses, in a quality of plant which will give the best service to our customer.

For exhibition and cut-flower purposes the Hybrid Teas are unsurpassed. For a sheer mass of color in the garden there is nothing like the Polyanthas. The Hybrid Perpetuals will give you quantities of large, fragrant flowers in June, and Climbing Roses can serve many purposes.

Hybrid Tea Roses

These popular flowers are crosses between the fragrant and hardy Hybrid Perpetuals and the old tender Tea Roses. They give quantities of bloom of cut-flower quality on plants which are hardy with a little protection during the winter.

They begin blooming in late May or early June, depending on the locality, and if given plenty of water, occasional applications of fertilizer, and kept sprayed or dusted so that the foliage is free of disease or insects, will bloom practically continuously until stopped by frosts.

All of the Roses we offer are No. 1 grade, 2-year-old, hardy, northern, field-grown plants.

Red Varieties

American Beauty. Fragrant crimson bloom on a long, strong stem. Vigorous growth. 50 petals. \$1.40 each.

Ami Quinard. One of the darkest Roses in existence. Velvety crimson-maroon with a soft black luster. Averages 17 petals. Carries the real old Rose fragrance. Strong-growing plants. \$1.40 each.

Applause. Plant Patent No. 829. Big, fragrant buds. Well-shaped blooms with heavy fragrance. Very free-blooming. \$1.65 each.

Charles K. Douglas. A large, loosely double Rose of bright red. It is not an exhibition Rose but for a continuous show of color this Rose is tops and, surprisingly, it is also fragrant. \$1.40 each.

Charlotte Armstrong. Plant Patent No. 455. Very large blooms of glowing deep rose-red, on long stems. Strong, upright plants, producing freely all season. \$1.65 each.

Christopher Stone. Large, loose flowers of brilliant scarlet-crimson; rich old-time fragrance. Healthy, bushy plants which bloom all the time. \$1.40 each.

RED VARIETIES, continued

E. G. Hill. Buds and flowers of dazzling scarlet that never blues. Vigorous and free in bloom. \$1.40 each.

Etoile de Hollande. One of the most dependable Roses. Large, loose, semi-double blooms are very fragrant. Soft foliage. \$1.40 each.

Crimson Glory. Plant Patent No. 105. Gorgeous crimson flowers shaded red and with a nap so deep the shadows are black. Grand form and unforgettable fragrance. \$1.50 each.

Grande Duchesse Charlotte. Blooms come single on a tall, graceful plant. Foliage is disease-resistant. \$1.50 each.

Gruss an Teplitz. A big shrub covered with open, dark velvety scarlet flowers. Very vigorous and dependable. Especially good for landscape use. \$1.40 each.

McGredy's Scarlet. An excellent garden Rose which is a nice shade of red, instead of scarlet, as the name would indicate. Flowers are freely produced on very vigorous, healthy plants. \$1.40 each.



Nocturne Rose

RED VARIETIES, continued

Mirandy. Plant Patent No. 632. The flowers have as many as 40 or 50 petals of deep garnet-red. The sweet spicy fragrance is especially notable. \$1.50 each.

New Yorker. Plant Patent No. 823. Clear, sparkling red, unfading and brilliant. Enormous size and excellent form. Vigorous, 3-foot plants. \$2 each.

Nocturne. Plant Patent No. 713. Bright cardinal-red with chrysanthemum-crimson shadings. Perfect, streamlined buds and large, double flowers with broad, thick petals. Fragrant. \$1.65 each.

Poinsettia. This is the nearest to clear scarlet of any double Rose. The flowers are beautifully formed of 35 velvety petals and carry real old Tea fragrance. Plants are tall with healthy foliage. \$1.40 each.

Red Radiance. A sport of Radiance and equally good, differing only in the beautiful deep red color of the large globular flowers. \$1.40 each.

Rubaiyat. Plant Patent No. 758. A new Rose with very fragrant, deep rose-red blooms, lighter on the outside of the petals. Very vigorous and upright, and an abundant bloomer. \$1.50 each.

Texas Centennial. Plant Patent No. 162. A sport of President Herbert Hoover, exactly like its parent in plant and shape of flower. The color, however, is vermillion-red with a touch of gold at the base of the petals. \$1.50 each.

Pink Varieties

Babe Ruth. A very dependable Rose. Large, heavy-petaled blooms are borne on long, strong stems. \$2 each.

Better Times. Ideal Rose for cutting. Large, double fragrant blooms come singly on long stems. \$1.50 each.

Capistrano. Plant Pat. No. 922. Rich rose-pink flowers of heavy texture and large size. Pleasingly fragrant. Leathery green foliage. \$2 each.

PINK VARIETIES, continued

Columbia. Bud long-pointed. Very vigorous plant with dark green foliage. Recurrent blooms are large and double. \$1.40 each.

Editor McFarland. Perfectly formed fragrant Rose with strong stems for cutting. Plant blooms freely. \$1.40 each.

Ernie Pyle. Large blooms have unusually abundant fragrance. 2 to 2½ ft. plant. \$1.50 each.

Katherine T. Marshall. Plant Patent No. 607. Large blooms with about 22 petals; cupped and slightly fragrant. Deep rose-pink with a yellow flush. Leathery foliage on a good plant. \$1.50 each.

Mission Bells. Plant Patent 923. Clear salmon or shrimp-pink flowers, high in the center and often 5 inches across; pointed buds. Blooms freely all season. Tea fragrance. \$2 each.

Mme. Cochet-Cochet. Plant Patent No. 129. The long-pointed buds of coppery pink develop into semi-double flowers, tinted gold inside. Rich fragrance. Large, glossy foliage; very vigorous. \$1.50 each.

Pink Dawn. A splendid new double Rose with rose-colored buds opening to lovely pink flowers tinted with orange at base of petals; sweetly fragrant. Strong, upright growth. \$1.40 each.

Radiance. Large, strongly fragrant, light silvery pink to salmon-pink flowers, borne profusely all summer on long, strong stems. \$1.40 each.

Show Girl. Plant Patent No. 646. Extra lovely in bud form. A very fine deep pink Rose that does well everywhere. Large, semi-double. Grows 3 to 4 feet tall. \$1.65 each.

Yellow Varieties

Golden Anniversary. Plant Patent No. 806. Golden Rose on a truly vigorous, well-branched plant with dense foliage. \$1.65 each.

Golden Dawn. One of the best garden Roses, with large, very double and very fragrant flowers of pale straw-yellow. The plants are low but spreading, with beautiful foliage. \$1.40 each.

Joanna Hill. A favorite cut-flower variety with shapely buds and high-centered open flowers of pale yellow; mildly fragrant. Healthy plants of medium growth. \$1.40 each.

Luna. Long, delicate buds and large, delightfully fragrant blooms. Strong stems; bushy foliage. \$1.40 each.

McGredy's Sunset. Plant Patent No. 317. Full-petaled blooms of clear yellow penciled with carmine. Bud long-pointed. \$1.50 each.

McGredy's Yellow. A cupped flower of bright buttercup-yellow, large and really exquisite. Bud is of long-pointed form, borne on a dark red stem. Glossy dark bronzy foliage; growth vigorous. \$1.40 each.

Mrs. Erskine Pembroke Thom. Best of the clear unshaded yellow Roses. Flowers well shaped, of medium size, and richly yellow. Fine foliage and vigorous growth. Free flowering. \$1.40 each.

Mrs. P. S. du Pont. One of the older yellow Roses but hard to beat. A long-time favorite of American Rose Society members. Buds well formed; fragrant, double blooms of rich red-gold. Blooms freely and continuously. Bushy plants with exceptionally attractive, glossy foliage. \$1.40 each.

Peace. Plant Patent No. 591. Flowers are extremely large, with broad, slightly ruffled petals of firm, satiny texture. The color is soft yellow, edged and flushed pink. Very fine plant with dark, leathery foliage. This rose has won more prizes than any other in history—the top awards in France, England and the United States, as well as countless prizes in local rose shows. \$2 each.

Roslyn. Large, semi-double, slightly fragrant bloom on a compact, vigorous bush. \$1.40 each.

Sister Therese. A very popular and widely planted variety. Large, semi-double blooms, cupped and lightly perfumed. Golden yellow with carmine petal edges. Glossy, bronze-green foliage on a good plant. \$1.40 each.

Sutter's Gold. Plant Patent No. 885. Long yellow buds richly shaded with orange and red, carried on long straight stems. Very heavy fragrance. A spectacular new Rose that is attracting wide attention. An abundant bloomer providing quantities of flowers for cutting. \$2.25 each.



Golden Anniversary Rose

Bicolor Varieties

Butterscotch. Plant Patent No. 613. Huge blooms, soft orange outside and lemon-chrome inside changing to pale yellow-orange. \$1.50 each.

Diamond Jubilee. Plant Patent No. 824. Glowing buff-orange, deeper on the outside of the petals. Flowers are very large, with soft old-Rose fragrance and heavy texture. \$2 each.

Duquesa de Penaranda. Very fragrant blooms of a luscious shade of copper-apricot becoming a richer hue in fall. A very popular Rose. \$1.40 each.

Forty-niner. Plant Patent No. 792. Rich yellow on the outside of the petals and vivid red inside. Bud is chrome-yellow overlaid pink. Pleasantly fragrant. Dark green foliage on a sturdy plant. \$2 each.

Girona. Tall, healthy plants with long-stemmed blooms of Tyrian-rose and golden yellow. They are not only beautiful but wonderfully fragrant. A great Rose you will like. 30 petals. \$1.40 each.

Mme. Joseph Perraud. Bright sunset tints becoming nasturtium-buff as the flower slowly opens. Long-pointed buds and long-lasting, sweetly perfumed flowers. Very large and full. \$1.40 each.



Forty-niner Rose

QUANTITY PRICES. All \$1.40 varieties, \$15 per doz. Patented varieties: \$1.50 varieties, 3 for \$4; \$1.65 varieties, 3 for \$4.50; \$2 varieties, 3 for \$5.40; \$2.25 varieties, 3 for \$6; any assortment of varieties. Prices given are prepaid when the order amounts to \$3 or more. See page 1.



King Midas Rose

BICOLOR VARIETIES, continued

President Herbert Hoover. Enormous flowers of ever-changing color. Deep copper-red in bud, golden in the center, with deep pink outer petals. In autumn it is superb. Plants very strong, with good foliage, blooming early and often. \$1.40 each.

Taffeta. Plant Patent No. 716. Changeable colors like a piece of taffeta—apricot, salmon and yellow. Long-stemmed, well-formed buds and semi-double flowers. Richly fragrant. A vigorous plant with large, glossy, bronzy foliage. \$1.65 each.

Talisman. The great florists' Rose with spectacular blooms of yellow, orange, and scarlet, changing with the season. Fragrant flowers. \$1.40 each.

White Varieties

Caledonia. A splendid white Rose with long-pointed buds opening to large, high-centered flowers. Moderately fragrant. A free bloomer. \$1.40 each.

Edith Krause. Good white Roses are not too plentiful but here is a fine one not very well known. It has large perfect white blooms with a slight greenish tint. Double, high centered, fragrant. Vigorous grower. \$1.40 each.

Kaiserin Auguste Viktoria. This old Rose is the finest of all the whites. It has form, fragrance, and is fully double. Plants are of average height. \$1.40 each.

McGredy's Ivory. Long-pointed bud; blooms double, fragrant and very large. Creamy white with yellow base. \$1.40 each.

Mme. Jules Bouche. Rated as one of the very finest white varieties. Large, double and fragrant. Blooms profusely. \$1.40 each.

Rex Anderson. Beautiful Rose with large, well-formed fragrant blooms. Exceptionally free and vigorous with abundant foliage. \$1.50 each.

Hybrid Perpetual Roses

These are much hardier, stronger growing plants than the Hybrid Teas and bear an immense crop of bloom in June.

Price, \$1.40 each

Frau Karl Druschki. An immense, pure white, perfectly double Rose, which blooms all season.

Paul Neyron. Very vigorous Rose on a long, strong stem. Large, full blooms are fragrant and clear pink shading to rose.

Climbing Roses

The modern Climbing Rose is one of the most adaptable and most satisfactory of all flowering plants. There are many types to choose from and for covering trellises, arches, fences, walls, or sides of buildings, they are unsurpassed. Even the home with practically no space for a garden can find room for a Climbing Rose.

Apricot Glow. A profuse seasonal bloomer with fruity fragrance. Long-stemmed blooms are apricot, turning apricot-pink. \$1.75 each.

Blaze. The blazing red blooms are produced in clusters for several weeks during the Rose season, and a second crop of flowers may be expected before freezing weather arrives, when the plants are well established. \$1.50 each.

Climbing American Beauty. Moderately fragrant, rich rosy carmine, 3 to 4-inch blooms on long stems, on a vigorous, hardy plant. An abundant June bloomer. \$1.40 each.

Doublbloons. Plant Patent No. 152. A handsome yellow Climber developed from the native Prairie Rose, which makes it harder than any other yellow Climber. \$1.65 each.

Dream Girl. Plant Patent No. 643. A good Rose for cutting as blooms last several days. Pleasing spicy fragrance. Color is coral-pink. \$2 each.

King Midas. Plant Patent No. 586. Deep gold flowers with a reddish tinge. Each one is 4 to 5 inches across, borne in clusters of four to six and making a wonderful display. A prolific bloomer, beginning early in the season. Hardy and vigorous. \$1.65 each.

New Dawn. The blooms are produced freely from the opening of the season in June until cold weather. The color is a delicate blush-pink, and long stems make the clusters desirable for interior decorations. Foliage is dark green and glossy. \$1.65 each.

Paul's Scarlet Climber. Clusters of semi-double, vivid scarlet flowers shaded crimson, that retain their color till they fall. Hardy and floriferous. More widely planted than any other Climber because of its dependability. \$1.40 each.

Polyantha Roses

These dwarf Roses produce an abundance of bloom all season. The plants are especially valuable for a hedge or border or for massing.

Price \$1.40 each, except as noted

Betty Prior. Plant Patent No. 340. Single; shell-pink on face, a red reverse. Blooms in clusters on a 3-foot plant. \$1.50 each.

Donald Prior. Plant Patent No. 377. Deep red, 3-inch blooms of 8 petals borne in clusters on 3-foot plants. \$1.50 each.

Erna Grootendorst. Large, semi-double open blooms of a deep velvety crimson. Not fragrant.

Fashion. Plant Patent No. 789. A fascinating new coral-pink color. \$2 each.

Floradora. Extremely double, scarlet-red blooms with light fragrance. Upright, bushy, much branched.

Geranium Red. This vivid red Rose has a fragrance similar to a geranium. \$1.50 each.

Gloria Mundi. Orange-scarlet. Light, glossy foliage.

Golden Salmon. Pure orange; huge clusters, each one a bouquet.

Goldilocks. Plant Patent No. 672. Rich golden yellow; very double. Abundant bloom. \$1.50 each.

Improved Lafayette. Glowing red suffused crimson. Free flowering.

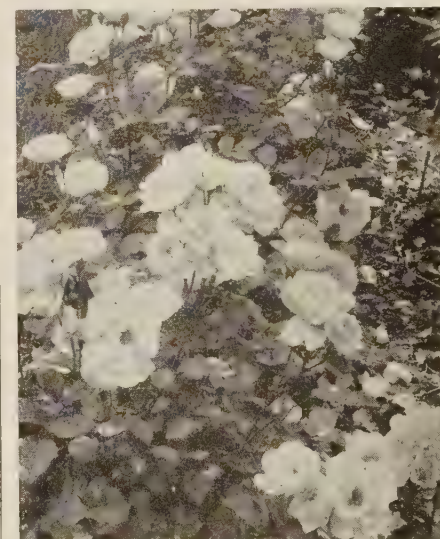
Permanent Wave. Plant Patent No. 107. Blooms are large, semi-double, fragrant, and carried in clusters on long stems. The color is a brilliant carmine. \$1.50 each.

Pinocchio. Plant Patent No. 484. Rich salmon flushed gold. Fine for cutting. \$1.50 each.

Red Pinocchio. Plant Patent No. 812. Unfading velvety scarlet. \$1.50 each.

Summer Snow. Plant Patent No. 416. Snow-white flowers almost covering a dwarf, hardy bush. Blooms abundantly. \$1.50 each.

World's Fair. Plant Patent No. 362. Fragrant, velvety crimson blooms. Prolific all season. 3 feet high; very hardy. \$1.50 each.



Permanent Wave Rose

PEONIES

Peonies are among the most gorgeous plants that can be grown in a garden. Given a deep, rich soil and a sunny situation they will thrive anywhere. A mulch of manure each fall will help to maintain them. Plant the roots so that the eyes will be about

½ inch below the surface of the ground. We offer strong divisions with 3 to 5 eyes, and plenty of roots, and are larger than usually offered.

\$1 each, \$2.75 for 3, \$10 per doz., postpaid.



Peonies

Carmine. Carmine-red. A really beautiful variety.

Edulis Superba. Bright old-rose to pink. Very fragrant. Blooms extra early.

Elizabeth Huntington. A semi-double, saucer-shaped bloom, bluish color in the bud form, gradually becoming white after it opens. Occasionally streaked carmine.

Felix Crousse. Flame-red. Large, bomb-shaped. Late midseason.

Festiva Maxima. White; very large, globular. Still one of the best. Early.

Florence MacBeth. Immense flowers; beautiful pink; slightly flecked.

Grover Cleveland. One of the finest dark crimson sorts. Late midseason.

Japanese Beauty. Single red. Considered one of the best single red varieties.

Karl Rosenfield. Dark crimson, very brilliant and striking in color. Blooms are of semi-rose type. Midseason. Probably the most popular variety in its color.

Mikado. Brilliant rich crimson. A single bloom with cupped petals and a large crown of yellow staminodes. Medium size; tall and free blooming. Midseason.

Mme. Ducl. Light mauve-rose with a silvery reflex. Globe-shaped blooms, slightly fragrant. An extra-fine variety.

Mons. Jules Elie. A large flower with a high crown. Color pale lilac-rose, with an amber-yellow collar; fragrant. Early.

Souvenir de Louis Bigot. Vivid rose-pink, brightening to shell-pink in center. A gorgeous variety. Midseason.

Tourangelle. Apple-blossom-pink tinged salmon, with a tan suffusion in the depths of the double bloom. A large flower of medium height. Very beautiful. Late.

PEONIES BY COLOR. Strong-growing roots of selected varieties. Named to color, red, white, or pink. 75 cts. each, \$2.10 for 3, \$8 per doz.

VINES

BITTERSWEET (*Celastrus scandens*). Large foliage hung in autumn with clusters of orange and yellow berries which are very decorative all winter. 90 cts. each, \$2.50 for 3.

BOSTON IVY (*Ampelopsis Veitchii*). High-climbing, clinging, deciduous vine with lustrous, three-pointed leaves 2 to 4 inches across. 90 cts. each, \$2.50 for 3.

CINNAMON VINE. Vigorous climber with broad heart-shaped leaves and clusters of white, cinnamon-scented flowers. Dies to the ground each winter but comes up again very quickly in the spring. Large roots, 12 cts. each, \$1.25 per doz., \$9 per 100.

CLEMATIS Jackmani. Large, flat, 3 to 4-inch, velvety purple flowers, freely produced. \$1.50 each.

paniculata. Sweet Autumn Clematis. In August or September the plants are densely covered with fragrant white flowers, followed by seeds, each of which has a grayish, fuzzy plume which gives the plant the appearance of being in bloom until winter comes. 90 cts. each, \$2.50 for 3.

Mme. Edouard Andre. Large bright carmine-violet flowers. Unusual and distinct. \$1.50 each.

DUTCHMAN'S PIPE (*Aristolochia Siphon*). Fast-growing; 6 to 15-inch broadly reniform leaves and pipe-like flowers. \$1.50 each.

SCARLET TRUMPET VINE. Vigorous climber. Handsome, trumpet-shaped, reddish orange flowers in midsummer. 90 cts. each, \$2.50 for 3.

HONEYSUCKLE (*Lonicera*), **Halliana.**

Sweetly scented flowers from July to frost. Desirable for trailing over fences, arbors, and as a ground-cover for banks. 60 cts. each, \$1.65 for 3.

KUDZU VINE. Fast-growing hardy vine. Foliage large. Rosy purple, pea-shaped flowers in August. Fine for permanently covering verandas, dead trees, etc. 90 cts. each, \$2.50 for 3.

MADEIRA VINE. Rapid-growing climber that quickly covers porch, trellis, etc. Foliage light green; flowers white, small and feathery, delightfully fragrant. Plant roots in May. Large roots, 15 cts. each, \$1.25 per doz.

SILVER LACE VINE (*Polygonum Auberti*). Rapid climber. Light green, waxy foliage. Stringy clusters of crystal-white flowers of irregular shape. 90 cts. each, \$2.50 for 3.

TRUMPET CREEPER (*Bignonia radicans*). Very useful for covering unsightly places, stumps, rockwork, or for planting in crevices in ledges. Large, attractive, scarlet flowers are borne in profusion. 90 cts. each.

VIRGINIA CREEPER (*Ampelopsis quinquefolia*). One of the best and quickest-growing vines for covering trees, trellises, arbors, etc. The large deep green foliage turns yellow, crimson and scarlet in fall. 90 cts. each.

WISTERIA sinensis. Handsome, showy, pea-like pale blue flowers in large grape-like clusters. Well adapted for training on porches, arbors, trellises, or trees. They require a deep rich soil. Strong, 2-yr. grafted plants, \$1.50 each.

HEDGE PLANTS

CALIFORNIA PRIVET (*Ligustrum ovalifolium*). A rapid grower with dark green foliage that persists until early winter. May be pruned to any shape. Unpruned, it assumes an upright, spreading habit, about 10 feet tall. 12 to 18-in. plants, \$4.50 for 25, \$16 per 100, \$75 for 500.

IBOLIUM PRIVET. A hybrid of California and Ibota Privet and is harder than either. Fast upright grower. Dark green foliage. May be trimmed to any shape. 12 to 18-in. plants, \$5 for 25, \$18 per 100.

BARBERRY (*Berberis Thunbergi*). Compact-growing, much-branched low shrub with many spines. Its red berries persist until spring. 12 to 18-in. transplanted plants, \$3.75 for 10, \$17 for 50, \$32 per 100.

RED-LEAVED BARBERRY (*Berberis Thunbergi atropurpurea*). Foliage is rich crimson, becoming scarlet when the sun falls on it. 18 to 24-in. plants. 75 cts. each, \$7 for 10.



Clematis Jackmani

Prices given on vines and hedge plants are prepaid where the order amounts to \$3 or more. See page 1

HARDY *Flowering Shrubs*



LILAC
(Syringa)

Flowering Shrubs bring the greatest return on investment that one can put into the home-grounds. They thrive with but little care, are attractive even in winter when the branches are without foliage, and when they do burst into bloom transform the grounds into bowers of scented beauty. In addition to their lovely flowers many shrubs develop attractive fruit which lasts well into the winter.

We offer a fine list for planting this spring.

ABELIA grandiflora. The Bush Arbutus is a medium-sized shrub with lovely glossy foliage and tubular flowers of pinkish white. Graceful when grown naturally and can be sheared to any height. Makes a grand hedge. \$3 each.

ALTHÆA. Rose of Sharon. A very useful shrub with large, single or double flowers in great profusion in late summer, a time when flowering shrubs are scarce.

Pink, Purple, Red, White, or Variegated. 2 to 3 ft., 90 cts. each, \$2.50 for 3. **Blue.** 2 to 3 ft., \$1.50 each.

ALMOND, Flowering (*Amygdalus*). Double fragrant flowers in May. **Pink or White.** 2 to 3 ft., \$1.25 each, \$3.35 for 3.

ARONIA arbutifolia brilliantissima. The Crimson Chokeberry has bright red berries and crimson leaves in fall. Grows 10 to 12 feet. 1½ to 2 ft., \$1.25 each.

melanocarpa. The Black Chokeberry grows slightly lower and bears glossy black berries. 2 to 3 ft., \$1.25 each.

AZALEAS. These hardy Azaleas bloom with the utmost freedom, becoming solid masses of flowers at their season, and continuing in splendor for several weeks. Plant in slight shade and shelter from severe winter.

Amœna. Brilliant reddish purple flowers completely cover every twig. Very showy. Evergreen. B&B. \$5 each.

Kaempferi. Flowers freely in colors from pink to fire-red; deciduous in North, evergreen in South. B&B. \$4 each.

mollis. A dwarf, very bushy, deciduous variety. Flowers light yellow to apricot and deep orange. B&B. \$4 each.

BEAUTY BUSH. An exceedingly handsome ornamental shrub. The foliage and habit are attractive when the bush is out of flower and it is perfectly hardy. It grows 6 to 9 feet high when mature, with long, arching branches. Covered in spring with clusters of small, tubular flowers of the honeysuckle type, borne in such profusion that the bush is one cloud of delicate pink. 2 to 3 ft., \$1.35 each.

BUDDLEIA, Ile de France. A new variety with fragrant, rosy purple flowers suffused with violet, borne in spikes 6 to 9 inches long. The symmetrical bushes are 3 to 4 feet high. 90 cts. each, \$2.50 for 3.

CALYCANTHUS floridus. Sweet Shrub. This is the popular old-fashioned "Strawberry Shrub," with brown, slightly scented, starry flowers, followed by pods of smooth brown seeds. 2 to 3 ft., \$1.25 each.

COTONEASTER divaricata. The Spreading Cotoneaster will grow to 6 feet and as wide. Pink flowers are followed by red fruit and foliage turns red in fall. 15 to 18 in., B&B. \$2.50 each.

DEUTZIA, Pride of Rochester. A very popular blush-white form, growing taller and bushier than *D. gracilis*. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

gracilis. A small shrub covered with pure white flowers in graceful nodding racemes. Good for edging borders. 15 to 18 in., 90 cts. each, \$2.50 for 3.

DOGWOOD (*Cornus sanguinea*). Blood-twigged Dogwood. An upright shrub having bright coral-red branches with dark green leaves, pale beneath, and creamy white flowers in numerous flat-topped clusters, followed by bluish fruits. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

florida. The well-known White-flowering Dogwood. Big, spreading shrub or small tree with large white flowers in spring. Foliage scarlet in autumn. Rich red berries. B&B. \$3.50 each.

florida rubra. One of the loveliest flowering trees. Blooms glowing peach-blossom-pink, tinged darker. A specimen in full bloom is a magnificent spectacle. 3 to 4 ft., B&B. \$4.50 each.

EUONYMUS alatus. Winged Burning Bush. Bushy shrub with corky winged branches. A fine shrub for specimen planting. Leaves turn to rich red and crimson in autumn. 2 to 3 ft., \$1.75 each.

europæus. A strong-growing shrub or small tree with finely toothed foliage and pink fruit. 2 to 3 ft., \$1 each.

ELÆAGNUS argentea. Silverberry. Fragrant flowers and attractive foliage, silvery on both sides. Grows to 10 feet. 2 to 3 ft., \$1.25 each.

FORSYTHIA. One of the very earliest shrubs to bloom and unsurpassed in splendor and brilliancy by other spring-flowering varieties.

spectabilis. Sturdy, erect bush with an unbelievable abundance of golden yellow flowers a shade or two darker yellow than any other variety. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

suspensa Fortunei. A tall, willowy shrub literally covered with golden bells in early spring. 90 cts. each, \$2.50 for 3.

HONEYSUCKLE, Red Tatarian (*Lonicera tatarica sibirica*). A bushy shrub, reaching 10 feet, with crimson flowers in June, followed by red fruits. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

White Tatarian (*L. tatarica alba*). About the same as the above except that the flowers are white. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

HYDRANGEA, Nicko. Blue Hydrangea. One of the most showy of all plants. When planted in moist soil, flowers may assume a pinkish hue, but blue flowers may be assured by mixing alum with the soil. 1½ to 2 ft., B&B. \$2 each.

paniculata grandiflora. Big conical trusses of white flowers that soon assume rose and bronze tones, are borne in late summer and last till frost. Severe pruning in early spring brings big trusses of bloom. 18 to 24 in., 90 cts. each, \$2.50 for 3. 2 to 3 ft., \$1.25 each.

INDIAN CURRANT (*Symphoricarpos vulgaris*). Tall, slender shrub, with coral-red fruits. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

JAPAN QUINCE (*Cydonia japonica*). Often called "Fire Bush." Scarlet and vivid pink flowers. Very early. 1½ to 2 ft., 90 cts. each, \$2.50 for 3.

KERRIA japonica. From June to October this shrub is a golden yellow bouquet, 3 to 4 feet high. Smooth green bark. 1½ to 2 ft., \$1 each.

LILAC (*Syringa*).

Persica. Persian Lilac. Lavender-blue flowers in loose panicles. Delightfully different. 2 to 3 ft., \$1.35 each.

Vulgaris. The fragrant old Lilac found blooming in May in old gardens.

Purple. 2 to 3 ft., \$1.25 each.

White. 2 to 3 ft., \$1.35 each.

Lilac, Named French Varieties:

Belle de Nancy. Double flowers of satiny rose in long clusters.

Ludwig Spaeth. Deep reddish purple flowers in long clusters. Very unusual.

Mme. Lemoine. Narrow clusters of double flowers of purest white.

President Grevy. Double, rosy blue flowers in pyramidal clusters.

Above 4 Lilacs, Bush Form, \$1.75 each

MOCK-ORANGE, Virginal (*Philadelphus virginalis*). A vigorous, tall grower, with very large, double-crested, pure white, sweetly scented flowers. A decided improvement over the old-fashioned Mock-Orange. 2 to 3 ft., \$1.25 each; 3 to 4 ft., \$1.50 each.

PUSSY WILLOW. Furry catkins so popular in early spring for table decoration. 3 to 4 ft., \$1.25 each.

RHAMNUS Frangula. Glossy Buckthorn. Large shrub with glossy leaves and red fruit eventually turning black. 2 to 3 ft., \$1 each.

RHODOTYPOS kerrioides. White Kerria. Very ornamental, medium-sized shrub with pretty foliage and large, single white flowers in late May. Black berries. 2 to 3 ft., 90 cts. each.

SNOWBALL (*Viburnum opulus sterile*). The old-fashioned Snowball. White flowers in May and June. Very decorative. 1½ to 2 ft., 90 cts. each.

Oriental (*V. tomentosum plicatum*). Large, globular, pure white flowers in May and June. The fall foliage is especially fine. 2 to 3 ft., \$1.35 each.

SNOWBERRY (*Symphoricarpos racemosus*). Small, rose-colored flowers in June and July followed by large clusters of pearly white fruit which endure into the winter. 2 to 3 ft., 90 cts. each, \$2.50 for 3.



Mock-Orange, Virginal

SPIRÆA, Anthony Waterer. Bright rosy crimson flowers in dense corymbs produced abundantly from July till frost. Fine for facing plantings of larger shrubs or edging walks. 1 to 1½ ft., 90 cts. each, \$2.50 for 3.

Van Houttei. The arching branches bend to the ground under many corymbs of small white flowers. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

STEPHANANDRA flexuosa. A graceful shrub seldom more than a few feet high. An excellent plant for growing in the shade of other shrubs or trees. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

TAMARIX africana. A very distinct variety covered with sprays of delicate soft pink flowers during July and August, when few other shrubs are blooming. 2 to 3 ft., \$1 each.

VIBURNUM acerifolium. Shrub, attaining 5 feet, with slender, upright branches. Flowers yellowish white; fruit almost black. Grows well under trees. Foliage dark purple in autumn. 2 to 3 ft., \$1.50 each.

americanum. Cymes of white flowers in May and June followed by brilliant scarlet fruit. Grows to 10 feet. \$1.25 each.

Carlesi. Fragrant Viburnum. Clusters of fragrant pink flowers appear in May. Plant grows to about 6 feet high. 1½ to 2 ft., B&B. \$3 each.

Opulus. High-Bush Cranberry. Maple-like foliage and large heads of white flowers in May or June followed by scarlet berries. 2 to 3 ft., 90 cts. each.

WEIGELA, Abel Carriere. Brilliant deep pink. Blooms in May and June and again in the fall. Dark green foliage. 2 to 3 ft., \$1.35 each.

Bristol Ruby. Plant Patent No. 492. Ruby-red blossoms on entire plant, June through July; intermittently throughout season. 2 to 3 ft., \$1.75 each.

Eva Rathke. An upright shrub 5 to 6 feet high, covered in late May with an abundance of rich reddish purple, trumpet-shaped flowers. 2 to 3 ft., \$1.35 each.

floribunda. A tall, graceful shrub bearing lovely dark crimson flowers. 2 to 3 ft., 90 cts. each.

Hendersoni. Very large flowers of pink and white. A vigorous, tall-growing, nicely shaped bush. 2 to 3 ft., 90 cts. each, \$2.50 for 3.

Rosea. Trumpet-shaped, deep pink flowers in late May. 3 to 4 ft., heavily branched. 90 cts. each, \$2.50 for 3.

WINTERBERRY (*Ilex verticillata*). Brilliant berries in great profusion. Especially attractive after the foliage drops. 1½ to 2 ft., \$1.25 each.

Ornamental and Shade Trees

CHERRY, Flowering. Spring-flowering, bearing a profusion of blossoms of exquisite effect. Very popular.

James H. Veitch. Double; pink.

Kwanzan. Double; dark pink.

Mt. Fuji. Double; pure white.

All Flowering Cherries, 3 to 4 ft., \$3.50 each



Flowering Cherry Blossoms

RED FLOWERING PEACH (*Amygdalus persica*). Large, double, bright red flowers, borne in great profusion. Rapid, upright grower. 3 to 4 ft., \$1.75 each.

CRAB, Bechtel's Double-flowering (*Malus*). Delicate pink blossoms in the spring and handsome fruits in the fall, which are attractive to the birds. 3 to 4 ft., \$3 each.

ELM, Chinese. A quick-growing Elm of pleasing form and apparent freedom from blight. 8 to 10 ft., \$4 each.

Vase. A type developed from the American Elm. Largely used for street planting and the home-grounds. 8 to 10 ft., \$4 each.

JUDAS TREE (*Cercis canadensis*). The American Redbud is a fine small tree with masses of rosy pink flowers before the foliage. 3 to 4 ft., \$2.50 each.

MAGNOLIA Soulangeana. Immense saucer-shaped flowers, purplish pink on the outside and white inside. 2 to 3 ft., B&B. \$6 each.

MAPLE, Norway. 8 to 10 ft. \$5 each.
Silver. Noble 80-foot shade tree with dense branches and beautiful pointed foliage silvery on the under side. 8 to 10 ft., \$3.50 each.

MOUNTAIN-ASH. 8 to 10 ft., \$4 each.

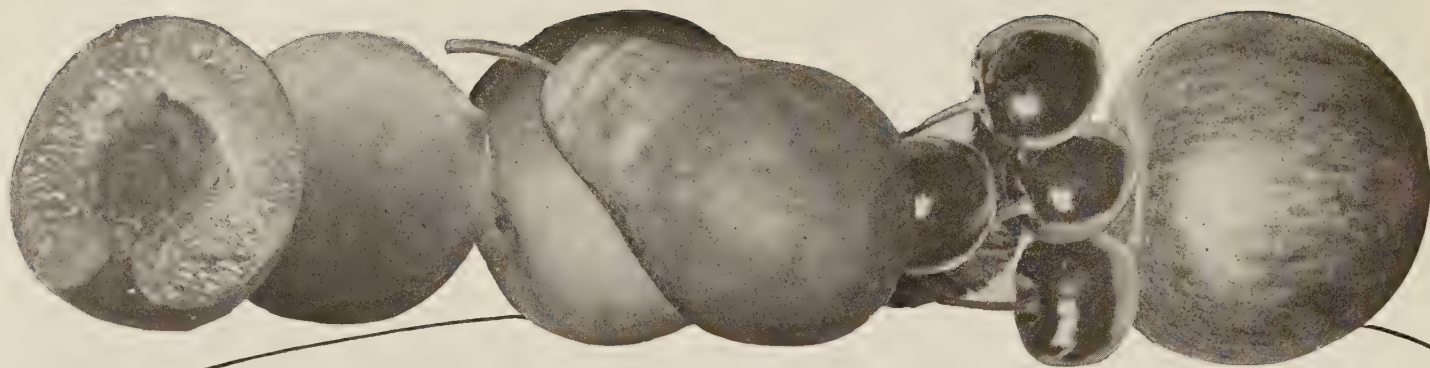
PLUM, Red-Leaf (*Prunus, Newport*). This little tree has deep purple leaves which retain their color until fall. In the spring it is covered with fine deep pink flowers. 4 to 5 ft., \$2.50 each.

POPLAR, Bolleana. A columnar tree with foliage silvery gray underneath. 6 to 8 ft., \$3.50 each.

Lombardy. Slender, erect trees, planted for landscape effect and screens. 8 to 10 ft., \$2.50 each.

SYCAMORE or PLANE, European (*Platanus orientalis*). Useful for street and specimen planting. Bright green foliage. 8 to 10 ft., \$4.50 each.

WILLOW (*Salix babylonica*). The Weeping Willow is our most graceful tree for moist ground, especially fine near a pool or brook. 8 to 10 ft., \$3.50 each.



SCOTT'S

Fruits for the Home Garden

All Fruit Trees offered are No. 1 grade, two-year-old budded trees. Prices given are prepaid when the order amounts to \$3 or more. See page 1.

Apples

\$1.50 each, \$14 for 10

Baldwin. Best all-round winter Apple. **Jonathan.** Bright solid red; firm and crisp. Good keeper.

McIntosh. Beautiful red; flesh crisp and spicy. Ripens in September.

Northern Spy. Large, red winter Apple; crisp and juicy.

Red Astrachan. Best summer eating and cooking Apple.

Red Delicious. A splendid winter eating Apple.

Rome Beauty. Large round winter sort. Good late keeper.

Stayman Winesap. Large, dark red; desirable cooking and eating winter variety.

Wealthy. Red streaked with white. Heavy yielder and of good quality. Early fall.

Yellow Transparent. Earliest ripening Apple. Excellent for cooking and eating.

Hyslop Crab. Fruit dark red. The best Crabapple variety.

Pears

\$1.90 each, \$18 for 10

Bartlett. Large, yellow with red cheek, tender, juicy and delicious. Very popular.

Clapp's Favorite. Large, yellow with dull red skin; delicate flavor. August.

Kieffer. Rich golden yellow. Good keeper. Late fall.

Seckel. Juicy and of rich flavor. September.

Quince

\$2.25 each

Orange. A mighty fine-quality variety and extremely popular.

Plums

\$2 each, \$19 for 10

Bradshaw. Very large; skin dark violet-red; yellowish green, juicy flesh. Early August.

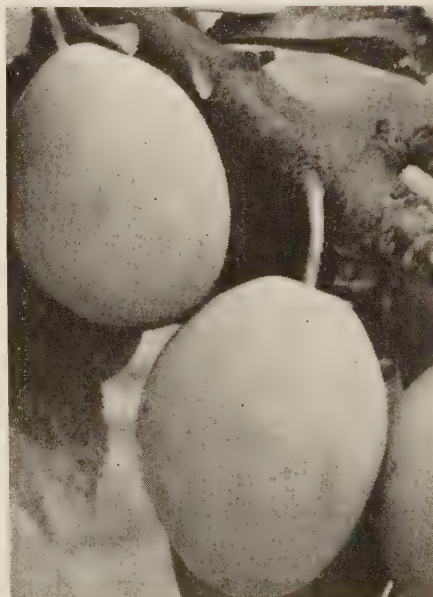
German Prune. Medium dark blue; rich flavor. September.

Italian Prune (Fellenberg). Medium size, dark purple, juicy and delicious. Fine for canning.

Lombard. Skin reddish; flesh yellow, juicy and delicious.

Shropshire Damson. Dark purple and very productive. Fine for butter. Late September.

Stanley Prune. Dark blue skin; flesh golden yellow and of mild sweet flavor. Excellent for eating or canning.



Stanley Prunes

Sweet Cherries

\$2.50 each, \$24 for 10

Black Tartarian. Very large; purplish black. Very popular. Late June.

Governor Wood. Large; russet-yellow, juicy and delicious. June.

Napoleon. Yellow with bright red cheeks; flesh firm, juicy and sweet. Late June.

Windsor. Large, liver-colored; flesh firm and juicy; very prolific. Early July.

Sour Cherries

\$2 each, \$19 for 10

Early Richmond. Fruit medium size, round, bright red; good for pies. Early June.

Montmorency. Best and largest Sour Cherry. Fruit dark red, firm and of fine flavor. Late June.

Peaches

\$1.25 each, \$11.50 for 10

Champion. Good white variety. August. Freestone.

Crawford Late. Fruits large, yellow and of fine flavor. Late September.

Elberta. The standard yellow. Fruits yellow with red cheek; flesh yellow, firm, juicy and of high quality. Early September.

Golden Jubilee. An excellent variety for the home orchard. Fruit large, yellow; flesh golden yellow, juicy, tender and sweet. Early August.

Hale-Haven. Fruits large, beautiful yellow, and of good flavor. Very hardy and a heavy bearer. Late August.

South Haven. Fruits large, yellow with red blush, juicy and deliciously sweet. Late August.

APRICOT, Hungaria. Fruit large, good quality, with yellow flesh of very fine flavor. \$2 each.

STRAWBERRY PLANTS

Everybody loves Strawberries and they are never as good as when freshly picked in your own garden. By all means have a Strawberry-patch if you have room.

Strawberries are easy to grow in any good well-drained soil.

Set the plants as early in the spring as the ground can be prepared. If the ground has not been recently manured, mix a little bone-meal in the soil under each plant when planting or top dress around the plants with a fertilizer high in phosphorus and potash just as soon as the plants start to grow. Keep the plants cultivated and free of grass.

Our plants are "New-ground plants" from a famous plant-growing district and being strong and well-developed will go right to work. The varieties we offer were selected as the best in their class and we know they are dependable and profitable.

In general, plants are set in rows $3\frac{1}{2}$ to 4 feet apart and $1\frac{1}{2}$ feet apart in the row. In home-gardens or where space is limited, the rows can be $2\frac{1}{2}$ feet apart. Set the plants with the bud just at the surface of the ground. Strawberry plants should be set early in the spring so they can become established while the soil is still cool and moist. Frequent cultivation will produce a better crop of berries.

Extra-Early

Premier. It is the earliest of all Strawberries, has a long fruiting season, and bears unusually large crops of bright, glossy, firm, red berries above the average in size. Excellent shipper.

Fairfax. Large, sweet, richly flavored dark red berries. Vigorous grower and disease-resistant. Not quite so productive as Dorsett but berries are larger and of better quality.

Dorsett. A vigorous plant-maker with bright red berries of wonderfully high flavor. Excellent for table and home use. A very dependable all-round variety.

Robinson. Berries of fine flavor, glossy red, firm and large. For home use its quality and flavor are unsurpassed. A strong vigorous grower and heavy yielder.

Second-Early

Senator Dunlap. For many years has been grown as the main-crop berry. A very heavy bearer of good-sized, uniformly shaped berries of a dark red color. Splendid for canning as it holds its shape, rich color and flavor long after canning.

Medium Late

Catskill. By far the best new midseason berry that has been introduced recently. Fruit is extra large and the plant is a heavy bearer and vigorous grower. Can be depended on for good crops and the quality is excellent.

Everbearing

Mastodon. Very productive; unusually large size; brilliant, attractive color; and excellent shipping qualities. Produces fruit ninety days from planting. Pick the first crop from July to killing frosts; the second crop the following June; and the third crop from August to killing frosts in late autumn.

Streamliner. As new and modern as its name. Excellent for freezing; retains its color and tastiness. Rich red berry of mild, sweet flavor. Bears from July to frost. Widely grown from coast to coast.

PRICES

	Per 25	Per 50	Per 100	Per 250	Per 500
Premier	\$1 40	\$2 35	\$3 75	\$6 75	\$12 00
Fairfax	1 40	2 35	3 75	6 75	12 00
Dorsett	1 40	2 35	3 75	6 75	12 00
Robinson	1 40	2 35	3 75	6 75	12 00
Senator Dunlap	1 10	1 80	2 80	5 50	9 00
Catskill	1 40	2 35	3 75	6 75	12 00
Mastodon	2 35	4 00	6 50	12 00	17 00
Streamliner	2 40	4 25	7 00	13 50	18 00

All orders shipped direct from nursery to customer at proper time for planting. Prices given are postpaid.

Mastodon
Strawberries



CURRENTS

2-yr. plants, 75 cts. each, \$7 for 10

Fay's Prolific. Medium to long clusters of dark red, juicy fruits.

Perfection. Large, bright red fruits; big clusters.

Wilder. Medium-sized, mildly acid red berries in large clusters.

GRAPES

2-yr. plants, 60 cts. each, \$5.75 for 10, unless noted

Brighton. Big red berries of excellent flavor; productive and vigorous.

Catawba. Luscious dark red berries; late ripening and keeps well.

Concord. The standard Grape. Rich, sweet juicy fruits. 50 cts. each, \$4.75 for 10.

Delaware. Red, sweet and delicious.

Moore's Early. Like Concord, but two weeks earlier.

Niagara. An extra fine, sweet, white Grape.

Worden. Large bunches of big, black berries of high quality. Earlier than Concord.

GOOSEBERRIES

2-yr. plants, 90 cts. each, \$8.50 for 10

Downing. Whitish green. The most widely planted and highly prized sort.

Red Jacket. Large reddish green fruits.

BOYSENBERRY

Delicious berries $1\frac{1}{2}$ to 2 inches long and 1 inch in diameter of dark reddish purple. Exceptionally good for home-gardens, being unbeaten for jellies, jams and pies. Thornless. 2-yr., Bearing age, 3 for \$1.75, doz. \$5, postpaid.

RED RASPBERRIES

Chief. The best early red. Heavy yielder.

Latham. Best late sort. Very productive.

BLACK RASPBERRY

Cumberland. Berries large, with delicious flavor.

BLACKBERRY

Eldorado. Of best quality and always dependable.

Raspberries	Per 12	Per 25	Per 50	Per 100
Chief	\$2 10	\$3 40	\$5 80	\$9 00
Latham	2 10	3 40	5 80	9 00
Cumberland	1 75	2 75	4 50	6 50

Blackberry
Eldorado..... 1 75 2 75 4 50 6 50

One-year No. 1 plants. Prices given are postpaid.

All orders shipped direct from nursery to customer.



Concord Grapes



Lawn Seed Mixtures



"PURITY" LAWN SEED

The base of this mixture is Kentucky Blue Grass and it is the mixture we recommend for general lawn sowing. It has proved satisfactory to our customers for many years. Produces a lustrous, well-established turf of an even tone of rich green that, with proper care, will last for many years. Composed of the highest grades of re-cleaned Kentucky Blue Grass, Red Top and Certified Perennial Rye Grass. Thousands of beautiful lawns attest the quality of this mixture.

For new lawns, sow at the rate of 1 pound to each 250 square feet, or 150 pounds per acre. For lawn maintenance, sow about 1 pound to each 400 square feet or about 100 pounds per acre.

1/2 lb. 70 cts., lb. \$1.25, 2 lbs. \$2.45,
5 lbs. \$6, 10 lbs. \$11.50, 25 lbs. \$27.50,
50 lbs. \$53.50, 100 lbs. \$105.

"SHADY" LAWN SEED

This mixture is particularly suited for densely or partially shaded places, such as between buildings, under trees, etc, where little or no sun reaches the ground. It is composed of Kentucky Blue Grass and a good proportion of several other grasses best suited for shady places. Use same quantities as Scott's Purity.

1/2 lb. 75 cts., lb. \$1.35, 2 lbs. \$2.65,
5 lbs. \$6.50, 10 lbs. \$12.50, 25 lbs. \$30,
50 lbs. \$58.50, 100 lbs. \$115.

"SUPERFINE" LAWN SEED

For those who prefer a lawn with Bent Grass we offer our Superfine Lawn Seed Mixture. It requires more attention than other lawn seed mixtures but with proper care it will make a luxuriant, velvety, and permanent turf. The mixture consists of extra-heavy weight Kentucky Blue Grass, Fancy re-cleaned Red-Top and Astoria Bent Grass. It contains over 98% pure seed.

One pound sows 400 square feet, 100 pounds an acre. A measured bushel weighs about 32 pounds.

1/2 lb. 85 cts., lb. \$1.50, 2 lbs. \$2.95,
5 lbs. \$7.25, 10 lbs. \$14, 25 lbs. \$34,
50 lbs. \$67, 100 lbs. \$132.

"EVERGREEN" LAWN GRASS MIXTURE

This mixture has been prepared for those requiring a moderate-priced lawn grass seed. We believe it is unequalled at the price.

1/2 lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65,
5 lbs. \$4, 10 lbs. \$7.50, 25 lbs. \$18, 50 lbs. \$35, 100 lbs. \$68.

"FAIRWAY" MIXTURE

Down the fairway the turf must be pleasing to the eye and tough enough to stand close clipping and considerable wear and tear. Our mixture answered those requirements.

Fairways do best when seeded liberally.

5 lbs. \$6.25, 10 lbs. \$12.25, 25 lbs. \$30,
50 lbs. \$59, 100 lbs. \$116.

"ATHLETIC FIELD" MIXTURE

This calls for good appearance and the toughness of an elephant's hide. Our mixture produces a turf that is just that, standing the gouging of cleated shoes and the pounding of running feet. Seed liberally.

5 lbs. \$6.25, 10 lbs. \$12.25, 25 lbs. \$30,
50 lbs. \$59, 100 lbs. \$116.

Separate Varieties of Grass Seeds

All Recleaned and of Highest Quality

ASTORIA BENT (*Agrostis tenuis; Astoriana*). An underground creeper making a deep, heavy sod of fine texture and color. An excellent all-round Bent. Will withstand drought better than any other variety. Sometimes used in mixtures with other grasses for home lawns. Lb. \$1.80, 5 lbs. \$8.50, 10 lbs. \$16.

COOS COUNTY BENT or SEASIDE BENT (*Agrostis alba maritima*). A fine-leaved, surface-creeping grass that will withstand very close mowing when properly handled and makes an excellent Bent for putting-greens in regions of moist, cool summers. Lb. \$1.80, 5 lbs. \$8.50, 10 lbs. \$16.

COLONIAL BENT (*Agrostis tenuis*). Forms a tight, thick turf, permanent under close mowing. For putting-greens and fairway mixtures. Lb. \$1.80, 5 lbs. \$8.50, 10 lbs. \$16.

MIXED CREEPING BENT. A mixture of Astoria Bent and Seaside Bent for general use where Bent Grass is required. Lb. \$1.80, 5 lbs. \$8.50, 10 lbs. \$16.

RED-TOP (*Agrostis alba*). Will grow on poor soil or wet land where other grasses fail. Used principally as a temporary grass or as a nurse grass in lawn seed mixtures. Will not stand close mowing. Lb. \$1.10, 5 lbs. \$5.40, 10 lbs. \$10.50.

KENTUCKY BLUE GRASS (*Poa pratensis*). Kentucky Blue Grass is most valuable for pastures and lawn planting. For lawns it is indispensable; when well established, the lawn will last for years, for the grass makes an extra-close, fine-textured turf. The seed should be mixed with other grasses that mature earlier, for Blue Grass is very slow in both germinating and maturing. Lb. \$1.20, 5 lbs. \$5.90, 10 lbs. \$11.50.

MERION (B27) BLUE GRASS. A particular strain of Blue Grass of recent introduction. It makes a dense dark green turf, is resistant to leafspot disease, tolerates close mowing, is heat and drought resistant and produces a much better quality turf throughout the growing season than common Blue Grass. Seed supply limited at present.

CANADA BLUE GRASS. For description see page 57.

CHEWING'S FESCUE (*Festuca rubra fallax*). Produces a fine, firm-matted turf with wire-like leaves. Suitable for shady places and spots subject to hard wear. Recommended in mixtures with other grasses for parks, cemeteries and athletic fields. Lb. \$1.25, 5 lbs. \$6, 10 lbs. \$11.

Prices on larger quantities quoted on request.
Above prices subject to market changes.

CREEPING RED FESCUE (*Festuca rubra*). A creeping, turf-forming grass especially valuable for lawns. Color is deep green, with fine, needle-like leaves and a strong creeping root system. Thrives on all types of soil and is well adapted to shady situations. Lb. \$1.20, 5 lbs. \$5.75, 10 lbs. \$11.

ILLAHEE FESCUE (*Festuca rubra*). A strain of Creeping Red Fescue and used for the same purposes. Lb. \$1.25, 5 lbs. \$6, 10 lbs. \$11.50.

ALTA FESCUE (*Festuca elatior arundinacea*). A deep-rooted perennial grass that withstands dry weather and hard wear. Excellent for athletic fields when sown with other grasses. Lb. \$1.10, 5 lbs. \$5.25, 10 lbs. \$10.

KENTUCKY 31 FESCUE. A strain of Tall Fescue grown in Kentucky, which does well under adverse conditions. Generally sown in mixtures with other grasses on athletic fields, parks, and places subject to hard use. Lb. \$1.10, 5 lbs. \$5.25, 10 lbs. \$10.

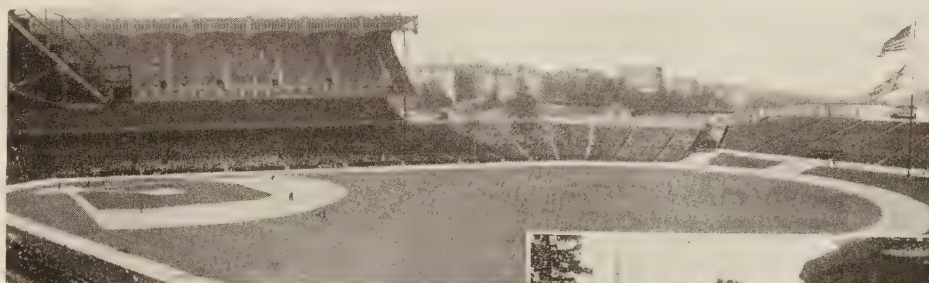
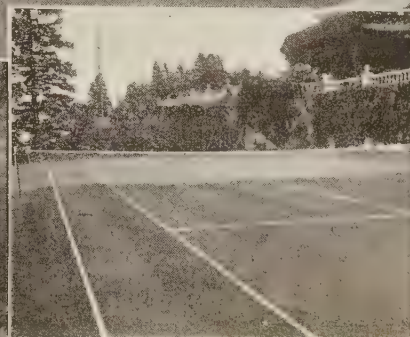
DOMESTIC RYE GRASS. A mixture of Italian and English Rye Grass grown in the United States. Quick-growing; often used for temporary turf. Lb. 40 cts., 10 lbs. \$3.50, 25 lbs. \$5.

PERENNIAL RYE GRASS (*Lolium perenne*). A fine-leaved grass adapted to widely diverse soil and climatic conditions. Quick growing and a good nurse grass for slow-germinating grasses. Lb. 50 cts., 10 lbs. \$4.50, 25 lbs. \$10.

POA TRIVIALIS. Particularly useful for shady places. Can be sown alone or in mixtures with other grasses. Lb. \$1.20, 5 lbs. \$5.75, 10 lbs. \$11.

TIMOTHY (*Phleum pratense*). One of the most important hay grasses, sometimes used to nurse lawns made on rough soil. Lb. 35 cts., 5 lbs. \$1.65, 10 lbs. \$3.

WHITE DUTCH CLOVER (*Trifolium repens*). A legume that remains green and withstands any normal dry spell because of its long tapering roots. For those who like it in a lawn, it is generally purchased alone and sown separately. 1/4 lb. 60 cts., 1/2 lb. \$1, 1 lb. \$1.80, 5 lbs. \$8.50, 10 lbs. \$16.



SCOTT'S Farm Seeds



Good pasturage increases milk production and produces more beef

For increased yields inoculate Clover and Alfalfa with Legume-Aid. See page 68.

For over 70 years it has been our policy to supply the very best of everything we sell, and farm seeds are no exception. Not only is every lot of seed offered selected for purity, freedom from weed seed, and high germination but the origin is also considered. This is very important with many kinds of seed, particularly the Clovers and Alfalfa. When estimating your seed requirements, consider your crops and decide that you want the very best—and with this in mind you will order Scott's Seeds. Remember we promise to furnish plump, clean, healthy seeds that you can depend upon for hardiness, vitality, and stamina—seeds that have made money for successful farmers for more than 70 years.

CLOVERS

MEDIUM RED. Most popular Clover for short rotations. When grown with timothy it usually makes two good hay crops. Plants grow 2 feet or more in height. Sow seed in late winter on winter grains or on a firm seed-bed with spring grain. Sow 8 to 10 pounds with timothy, or 15 to 18 pounds alone.

MAMMOTH RED. Also called Sapling Clover. This Clover cuts a heavier first crop of hay, does better on poorer, drier soils, and is more persistent than Medium Red. Valuable for the grower who needs maximum organic matter to plow down.

ALSIKE. A favorite with timothy on acid soils, thin soils, and for wet sites. It may be sown in spring or late summer and is perfectly hardy. Flowers are sweet-scented and attractive to bees. Adapted only to short rotations. Sow 8 to 10 pounds to the acre alone, or 3 to 6 pounds in mixtures.

SWEET CLOVER. Valuable for pasture or hay and a very important legume for soil improvement. It does best on sweet (neutral) soils and will grow luxuriantly on land too poor for Red Clover or alfalfa. The biennial form is best suited for the north. The white blossom variety will give the largest yield and the yellow blossom variety will tolerate more adverse conditions than the white. Seed should be inoculated. Sow 10 to 20 pounds to the acre, the heavier rate if seeded alone.

CRIMSON. Popular in southern part of region for green-manure crop and soil improvement. Often sown in corn at last cultivation for winter cover-crop. Seed 20 pounds to the acre. Plants are annual, requiring reseeding each year.

LADINO. A giant form of White Clover with heavy stems which hug the ground and take root at the nodes (joints). Very popular, nutritious, and high-yielding when properly used as pasture for poultry, dairy cattle, beef, sheep, and hogs. Requires fertile soil and good management. Generally sown with other pasture grasses at the rate of 2 pounds per acre.

WHITE DUTCH. A small, low-growing White Clover used principally in lawn and pasture mixtures. Less productive than Ladino for hay and pasture. Succeeds in nearly all types of soil. Use 3 to 5 pounds to the acre in mixtures.

BIRDSFOOT TREFOIL. A long-lived drought-resistant perennial that can be used for pasture, hay and silage. Stays green and produces excellent feed during hot summer months. Does well under a variety of soil conditions. Sow on well prepared soil at the rate of 4 or 5 pounds per acre alone or in combination with a like amount of timothy or Kentucky blue grass. Seed should be inoculated.

ALFALFA

Alfalfa is of importance as a forage crop because of its high nutritive value, its palatability, productiveness, drought resistance, and long liveability. There is no other forage crop that will produce such an abundance of high-class protein feed. For all classes of livestock it is considered the best hay obtainable. It requires a well-drained neutral or alkaline soil and high fertility. Alfalfa is used alone and in mixtures with other grasses. It is usually seeded in the spring with fall- or spring-sown grains, but in some sections late summer seedings are popular. It will provide two or three cuttings of hay in a season, and also makes excellent pasture for all kinds of livestock. Seed should be inoculated. From 12 to 15 pounds of seed are usually sown to the acre when grown alone; half this quantity in mixtures.

Northwestern Common. Grown successfully and entirely satisfactorily in this area.

Grimm. Generally considered longer-lived and better adapted to severe winter weather.

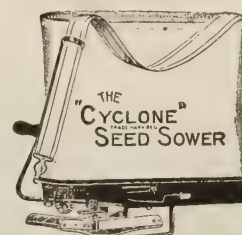
Ranger. A particular strain of Alfalfa that is highly resistant to the bacterial wilt disease. Where bacterial wilt is a serious factor or where the farmer expects to leave the Alfalfa stand for more than two years, it is much superior to other strains.

PERMANENT PASTURE MIXTURE

A well-balanced pasture-producing mixture made up of the very highest grades of re-cleaned grass and clover seeds, which will produce an abundant and nutritious food-supply for all kinds of stock. Sow 40 pounds to the acre. 5 lbs. \$3.50, 10 lbs. \$6.50, 25 lbs. \$14.75, 50 lbs. \$28.50, 100 lbs. \$55.

Cyclone Seed Sower

This Seed Sower can be used for sowing clover, timothy, lawn grass seed, and all other seeds that can be sown broadcast. Has positive force-feed and is quickly adjusted for different seeds. The touch of a lever will start or stop the flow of seed. Seed cannot clog or rush. Container is made of heavy canvas ducking and holds about $\frac{1}{2}$ bushel. Price, \$4.25.



LATEST PRICE-LIST OF FARM SEEDS GLADLY SENT ON REQUEST

FARM SEEDS

TIMOTHY

Description of this old familiar hay-making grass is unnecessary here. Its feeding value is not quite equal to red clover or alfalfa, but it fits in well with almost any crop-rotation program and for this reason is probably the most extensively grown of all the grasses. It can be sown in the spring or fall and may be sown alone or with alfalfa, red clover, alsike clover, or with other grasses. If sown alone, 12 to 15 pounds are usually sown to the acre; with other grasses 3 to 6 pounds to the acre.

BROME GRASS. Generally sown with Alfalfa for pasture. About 7 or 8 pounds of Brome Grass with 8 to 10 pounds of Alfalfa in a mixture per acre are recommended seeding rates. Requires an abundant supply of nitrogen in the soil to grow it profitably. Brome Grass has an extensive root-system and is well adapted to erosion control.

CANADA BLUE GRASS. Adapted to less fertile soils and is more drought resistant than Kentucky Blue Grass. Often used on clay soils and those lacking lime. Because of its sod-forming habits it is very useful for erosion control. It will thrive where Kentucky Blue Grass will not live but under most conditions it is decidedly inferior to Kentucky Blue Grass.

KENTUCKY BLUEGRASS. One of the best-known perennial grasses for permanent pasture. Requires rich soil and stands heavy close grazing. It starts early and furnishes grazing well into the fall but tends to be "dormant" during dry hot summer weather. Add 6 to 8 pounds to the acre to mixture of clovers and other grasses.

RED TOP. This grass is well adapted to soils that are inclined to be wet or acid. It is not so palatable as Kentucky Bluegrass nor is it so permanent. Alsike or Ladino clover do well with Red Top. Under fertile soil conditions Red Top will be replaced by heavier grasses. Use 2 to 4 pounds to the acre in mixtures.

PERENNIAL RYE GRASS. A very rapid grower producing pasture in six to eight weeks and lasting several years. Adapted to fertile moist soils and stands close grazing; should be seeded only in mixtures. Use 4 to 6 pounds to the acre in mixtures.

DOMESTIC RYE GRASS. A quick-growing grass that is valuable for pasture and relished by all livestock. For a winter cover-crop seed can be sown at the last cultivation of corn or after the harvest of an early crop. Makes good late fall pasture when used as cover-crop in corn. Broadcast seed at the rate of 20 to 25 pounds per acre.

ORCHARD GRASS. This is a long-lived bunch-type grass which produces maximum summer grazing. Does best in combination with long-lived legumes like Ladino clover and alfalfa. It makes good hay if cut in pre-bloom stage and makes heavy yields of silage. Use 4 to 6 pounds to the acre in mixtures; 12 to 14 pounds when seeded alone.

ALTA FESCUE. A very productive, deep-rooted perennial grass that makes excellent pasture. It withstands dry weather and has high feeding value and palatability. Sow 10 to 12 pounds to the acre, or 5 pounds in mixtures with other grasses.

KENTUCKY 31 FESCUE. Adapted to a wide range of soil and climatic conditions. Makes an excellent pasture grass and can be sown alone or in mixtures with other grasses. Because of its dense root system it makes an excellent winter cover-crop. Sow about 20 pounds to the acre or 10 pounds in mixtures with other grasses or legumes.

SUDAN GRASS. A high-yielding, quick-growing annual grass most valuable for summer pasture, but will make good hay when sown with soy beans and cut when soy beans are well formed. It can be pastured when 15 to 18 inches tall and it is very drought-tolerant. Grows to a height of 5 to 9 feet. Sow 30 pounds to the acre broadcast; 10 to 15 pounds drilled.

SWEET SUDAN GRASS. A distinct variety of Sudan Grass. Has more and broader leaves and is more palatable to livestock than common Sudan Grass.

MILLET. A quick-growing annual generally used for an emergency hay crop or pasture. For hay it should be cut while the plants are in bloom. Sow in May or early June at the rate of 30 to 40 pounds of seed to the acre.



Clinton Oats

DWARF ESSEX RAPE. Furnishes quick and inexpensive pasture for hogs and sheep. Sow 10 pounds of seed to the acre if sown broadcast; 5 pounds if drilled.

LESPEDEZA. Popular in southern states for hay, pasture, and seed. Annual types persist only through natural reseeding.

SORGHUM or AMBER CANE. Used principally as a summer fodder for cattle. Growth is rapid. If carefully cured it will make an excellent dry fodder. May be sown in drills about 30 inches apart, at the rate of 5 to 6 pounds of seed for an acre. If sown broadcast, about 75 pounds of seed are generally used.

CANADA FIELD PEAS. Used for hay and pasture as well as soil improvement. Sow as early as possible in the spring, either alone or with oats. When sown broadcast alone, sow 2 bushels to the acre, or with oats 1½ bushels of Peas and 1 bushel of oats.

WINTER or HAIRY VETCH. One of the best legumes, largely used for soil improvement. Because of the great length of Vetch plants, it is best to furnish a support for the plants by sowing rye, barley, or oats with it. When drilled use 1 bushel of grain and 20 to 30 pounds of Vetch to the acre.



Sudan Grass

Harvesting Alfalfa





Iowa 939 Hybrid Field Corn

KINGSCROST HYBRIDS

Actual farm and official state trials have shown that Kingscrost Hybrids have not been surpassed in yielding ability by any group of hybrids of comparable maturity. They are grown and prepared for planting under the most exacting conditions. We recommend that you try at least one of them this year.

Kingscrost KS. The most outstanding Corn in its maturity class. Its large, deep-kerneled ears with small cobs are responsible for its large grain yields. Maturity 90 to 95 days.

Kingscrost KR. For maximum all-round performance Kingscrost KR has not been surpassed. Disease resistance combined with high grain and fodder yields make this a very popular hybrid. Maturity 95 to 100 days.

Kingscrost KY. An exceptional hybrid that has remarkable ability to stand up under adverse conditions. Many wide, long leaves set close together on the stalk insure high yield of fodder. Ears are exceptional in their size and quality. Maturity 100 to 105 days.

FIELD CORN

10 to 14 pounds of Seed Corn required to seed an acre

HYBRID CORNS

The acreage planted to Hybrid Corn in recent years has been constantly increasing until today about 75% of the corn acreage is planted to hybrids. Hybrids outyield open-pollinated and in addition, lodge less in storms and are less susceptible to drought, to insects, and to disease. It is now generally recognized that the use of adapted corn hybrids is one of the important steps in efficient corn production.

The hybrids we offer have been selected from a large group for their outstanding performances and superiority over other varieties, and in our opinion are the best adapted to this section.

OHIO K23. An early hybrid adaptable for use in the better soils. Stalks are short, deep green, and leafy; ears are medium in size, with 16 to 18 rows. Maturity 90 to 95 days.

OHIO K24. A high-yielding hybrid. Stalks of medium height, leafy and dark green; ears of medium length with 14 to 16 rows. Maturity 95 to 100 days.

IOWA 939. Adapted to a wide range of conditions and probably the best-known hybrid. Has stiff stalk, medium in height; ears have 16 rows with somewhat rough, soft, rich yellow kernels. Maturity 100 to 105 days.

PENNA. 612. Developed by Pennsylvania State College. In maturity it is in about the same class as Iowa 939 and Improved Leaming. A high-yielding variety that produces a strong stalk. Rates high in resistance to borers and aphids.

ENSILAGE CORN

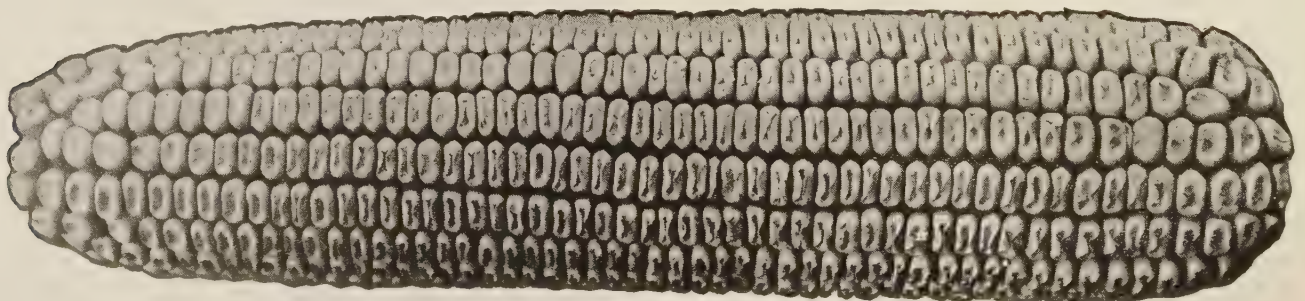
LANCASTER COUNTY SURE-CROP. (Open-pollinated variety.) The leading ensilage variety. Ears are long, with yellow grains, and not proportionately thick. Stalks are quite tall and very leafy. An extremely heavy yielder and a most desirable ensilage variety.

EUREKA. (Open-pollinated variety.) Produces unusually heavy foliage and often grows 16 to 18 feet tall. Ears are very long; grain is large, broad, and ivory-white.

U.S. 13 HYBRID. One of the highest yielding of all hybrid varieties for both grain and silage. The stalks are medium tall and lodge-resistant; ears medium long, with 20 to 22 rows of deep grains. Matures in 110 to 115 days.

All of our Seed Corn is selected with the utmost care. The ears are carefully hand-selected before they are shelled and the grain is carefully graded on the most modern grading equipment. It is thoroughly dried, of high germination, and of the best possible quality.

Treat Seed Corn with Arasan. See page 68.



Lancaster County Sure-Crop Corn

SOY BEANS

A good soil-builder when plowed under for green manure. Makes excellent hay or silage but is little used for pasture except for hogs. Sow when ground is thoroughly warm, in May or June. If used for hay, cut after the pods form. Use 2 bushels to the acre broadcast; $1\frac{1}{2}$ bushels when drilled. Seed should be inoculated.

We offer two varieties—**Wilson Black** and **Lincoln**. Both are suitable for hay, silage, or soil improvement. **Lincoln**. Stalk is large and bushy and a heavy producer of both foliage and beans. Seed is yellow. **Wilson**. Not quite so rank a grower as Lincoln. Does well on most any type of soil. An excellent variety for green manure. A very popular variety in this section.

OATS

Alfalfa, red clover, permanent grass and clover mixtures can all be satisfactorily sown with Oats. Sow during April or early May at the rate of 2 to 3 bushels by weight to the acre.

CLINTON. Since its introduction several years ago, Clinton has become the leading variety and is now being grown by practically all farmers in this section. It is resistant to both crown rust and stem rust, also root rot; has medium-tall, stiff straw and is early maturing. Kernels have thin hulls and are plump and meaty. Clintons are well suited for combining, as their exceptionally strong straw will stand erect long after they have ripened.

WINTER BARLEY. Good feed substituted for corn; provides excellent winter grazing. Wong is the most popular variety. It is semi-beardless, a heavy yielder and has good stiff straw.

SPRING BARLEY. Valuable either as a grain crop or as a nurse crop for clover or alfalfa. Wisconsin 38 is the highest yielding variety, a six-rowed type with smooth heads. Requires 2 bushels of seed for an acre.

BUCKWHEAT. A dependable crop for poor land. Matures in about two months and makes an excellent feed for poultry. Sow during June or early July, using 1 bushel of seed to the acre.

WINTER WHEAT. Grown principally for animal feed in this section. Thorne because of its outstanding yields, quality of grain and stiff straw, is the leading variety. Sow $1\frac{1}{2}$ to 2 bushels to the acre.

SPRING WHEAT. Grain is smaller and harder than Winter Wheat. Not so popular as Winter Wheat but gives a satisfactory yield and makes excellent flour. Sow in early spring, about 2 bushels to the acre.

WINTER RYE. Grown principally for a winter cover-crop, sometimes for winter pasture or cut for hay. Can be sown up to the middle of November. Requires about 2 bushels of seed for an acre; for small garden plots, about 5 or 6 quarts for 2,500 square feet.

SPRING RYE. Makes an excellent green food when cut, or will supply pasture for several weeks. Sow early.

SEED POTATOES

It requires one-half peck to a peck of seed, depending on the size, to plant 100 feet of row, 15 to 20 bushels for an acre. Plant in furrows 6 to 8 inches deep and in rows about 3 feet apart. The seed-pieces should be treated with Semesan Bel or Formaldehyde to help prevent scab and schizoctonia.

The stock we offer is Northern grown, U. S. Standard No. 1 and certified.

Early Varieties

EARLY OHIO. No other variety compares with Early Ohio for its earliness. Tubes are round to oblong with pink skin, white flesh and of excellent quality.

IRISH COBBLER. An extra-early, round, white Potato with rather deep eyes. Vines yield heavily and the tubers are of extra fine quality. A dependable variety, either for the home-garden or for growing commercially.

CHIPPEWA. About ten days later than Irish Cobbler but superior in smoothness and whiteness, and eyes are not quite so deep. Has desirable cooking qualities.

Late Varieties

KENNEBEC. A high yielding variety of recent introduction. Tubers very white, short and thick; good cooking qualities. Midseason in maturity. Blight resistant and an excellent variety for home gardens.

KATAHDIN. A handsome, shallow-eyed, glossy, white-skinned variety of fine table quality. It is roundish-oval in shape and very uniform in both shape and size. Gaining in popularity every year. Good yielder.

RUSSET. Tubers round to oblong, of good size, with pure white flesh, russet skin, and few shallow eyes. Excellent table quality, good keeper, and very productive. Vines are strong and disease-resistant.

SEBAGO. A high-yielding, smooth, white, shallow-eyed variety of excellent table quality. A strong grower highly resistant to blight. Very late.

Latest Price-List of Farm Seeds gladly sent on request



SOY BEANS



For Better Market-Garden and Farm Crops

You will be money ahead by using Agrico because crop records show that Agrico's extra plant-feeding efficiency produces the extra quality and early maturity that make market-garden crops pay out better. On field crops, extra increases in yield with Agrico often pay the entire cost of the Agrico application. Agrico is a great crop-producer and money-maker for the farmer. You'll say so yourself when you use it. This year get Agrico for all your crops. Be on the safe side—order early and take delivery as soon as you can.



AGRICO

THE NATION'S LEADING FERTILIZER

AGRICO FOR TRUCK

(5-10-5)

Specially made for market produce and canning crops. Noted for high yields of better quality truck and earlier maturity for the higher-priced markets.

In 80-lb. bags	
480 lbs.	\$13 15
960 lbs.	25 30
2000 lbs.	50 55



AGRICO FOR GRAIN

(3-12-6)

Specially formulated for wheat, oats, and other small grains. Noted for extra yields of quality grain that weighs heavy and grades high in quality.

In 80-lb. bags	
480 lbs.	\$12 40
960 lbs.	23 80
2000 lbs.	47 60



AGRICO FOR TRUCK

(5-10-10)

Try this Agrico specially formulated for tomato production and see how it increases tonnage, boosts the grading, and increases acre returns.

In 80-lb. bags	
480 lbs.	\$14 00
960 lbs.	27 10
2000 lbs.	54 40



AGRICO FOR TOP DRESSING

(7-7-7) and (10-6-4)

Apply these complete, well-balanced fertilizers on pastures and haylands, especially where grasses predominate. Build up the protein and mineral content of forage—get increased milk or meat production at lowest cost per hundredweight. These fertilizers are also profitably used by farmers to do an excellent job as side-dresser for vegetable crops and for top-dressing wheat and other grains in early Spring, to increase yield and protein content.

7-7-7 Grade	
In 80-lb. bags	
480 lbs.	\$15 55
960 lbs.	30 15
2000 lbs.	60 75
10-6-4 Grade	
In 80-lb. bags	
480 lbs.	\$15 90
960 lbs.	30 80
2000 lbs.	62 15



All prices on this page are f.o.b. our warehouse or cars Pittsburgh.

Transportation charges are additional on orders for local delivery or rail shipment.

Agrico Fertilizers and 18% Normal Superphosphate

Are Manufactured only by

THE
AMERICAN AGRICULTURAL
CHEMICAL CO.

AGRICO FOR POTATOES

(4-12-8)

Used by the nation's leading growers of seed and table stock, because side-by-side tests have proved Agrico produces more No. 1's of uniform size and quality.

In 80-lb. bags	
480 lbs.	\$13 45
960 lbs.	25 90
2000 lbs.	52 00



18% Normal Superphosphate

Produced the "normal" way, without reduction in valuable calcium and sulphur content . . . pulverized to assure uniform distribution and quicker penetration into the soil.



In 80-lb. bags	
480 lbs.	\$9 15
960 lbs.	17 30
2000 lbs.	34 00

AGRICO Phosphate & Potash

(0-14-7)

A high-phosphorus fertilizer with potash for top-dressing alfalfa and clover and legume pastures or seeding down where ground is extra-heavily manured.

In 80-lb. bags	
480 lbs.	\$11 35
960 lbs.	21 70
2000 lbs.	43 25





More GARDEN BEAUTY at Less Cost

You'll get **BETTER RESULTS** and **MORE VALUE** for your money by using *special-purpose* Agrico Fertilizers—each one scientifically formulated to do its own job and do it better than any all-purpose fertilizer could possibly do. For home-gardeners *Agrico comes in four types* to supply the different plant-food needs of (1) lawns, trees and shrubs, (2) flowers and vegetables, (3) rhododendrons, azaleas and other acid-loving plants, and (4) roses. Yet Agrico costs no more . . . is more economical to use . . . gives you more value per pound and per dollar.

Use 4 SPECIAL PURPOSE AGRICO Fertilizers

AGRINITE



All-organic fertilizer containing over 8% nitrogen. Use it on lawns, flower and vegetable gardens, trees, roses; can be applied any time without burning. Provides plant-food and increases the moisture-holding capacity of soils.

25-lb. bag	\$1 65
80-lb. bag	4 50
480 lbs.	24 30
960 lbs.	45 90

AGRICO COUNTRY CLUB FERTILIZER



These complete, carefully balanced plant food are specially formulated for feeding greens and fairways.

For Fairways 6-10-4

100-lb. bag	\$4 25
500 lbs.	19 15
1000 lbs.	36 15
2000 lbs.	68 00

For Greens 8-6-2

100-lb. bag . . . \$5 25	1000 lbs. . . . \$44 65
500 lbs. 23 65	2000 lbs. . . . 84 00

AGRICO FOR LAWNS, TREES AND SHRUBS



If you have a good lawn, keep it that way by feeding it with Agrico every spring and fall. Economical—only 3 pounds per 100 square feet gives splendid results. In repairing or rebuilding a lawn, use Agrico to insure your investment in seed and labor. And don't forget to feed your trees and shrubs.

5-lb. bag . . . \$0 45	50-lb. bag . . \$2 30
10-lb. bag . . . 80	100-lb. bag . . 4 25
25-lb. bag . . . 1 60	500 lbs. 19 15

AGRICO FOR BROADLEAF EVERGREENS



Prepared especially for Rhododendrons, Azaleas, Laurel, Viburnum, Hemlock, Magnolia, Dogwood and other acid-loving plants. Apply in early spring, 3 pounds per 100 square feet of area adjacent to plants and water in. Provides all the needed plant-foods and at the same time builds up the soil's acidity.

5-lb. bag . . . \$0 60	50-lb. bag . . \$2 90
10-lb. bag . . . 1 10	100-lb. bag . . 5 50
25-lb. bag . . . 2 10	500 lbs. 24 75

AGRICO FOR GARDENS

Use this special-purpose Agrico for flowers of greater health and beauty, also for larger yield of vegetables richer in minerals and vitamins. Broadcast 4 pounds Agrico to each 100 square feet of garden before planting. Side dress with Agrico after plants reach full growth. Safe, odorless, easy to use. Complete directions on every bag.



5-lb. bag . . . \$0 45	50-lb. bag . . \$2 30
10-lb. bag . . . 80	100-lb. bag . . 4 25
25-lb. bag . . . 1 60	500 lbs. 19 15

AGRICO ROSE FOOD



A superior, complete plant-food, especially for the one exclusive, important job of growing roses of highest quality and perfect beauty. Contains all the essential elements—both organic and inorganic—for prolific rose-growth. Complete directions for new plantings and old plantings on every bag.

5-lb. bag . . . \$0 75	25-lb. bag . . \$2 75
10-lb. bag . . . 1 25	50-lb. bag . . 5 00

Ra-Pid-Gro

A concentrated plant-food instantly soluble in water and immediately available to plants. Can be fed at the roots or through the foliage. Contains all of the known chemicals, trace elements, and vitamins, necessary for growth and production, and for a vigorous healthy plant life. Nitrogen derived from urea. Analysis 23-21-17. Use it on vegetables, flowers, lawns, trees, evergreens, roses, house plants, etc.

2-oz. envelope 25 cts., 8-oz. can 70 cts., 1-lb. can \$1.25, 5-lb. can \$4.50, 10-lb. can \$8.75.

Tri-ogen Rose Food

Because of an ever-increasing demand for a plant-food for roses, the Rose Manufacturing Company, manufacturer of Tri-ogen spray, has developed and is now offering this special plant-food prepared particularly for roses. It contains both organic and inorganic materials, and is a complete balanced plant-food formulated for this one purpose. For better and finer roses, use Tri-ogen Rose Food.

5-lb. bag....\$1 00 | 25-lb. bag....\$3 00
10-lb. bag.... 1 60 | 50-lb. bag.... 5 00

For Greener Lawns—Better Vegetables**Use VIGORO**

Any home can have the extra beauty that a lovely lawn provides... thanks to Vigoro. Vegetable yields will be bigger, too, for Vigoro supplies all the food elements growing things need from the soil. Use Vigoro on everything you grow for finest results.

1-lb. bag....\$0 15 | 50-lb. bag....\$2 40
5-lb. bag.... 50 | 100-lb. bag.... 4 25
10-lb. bag.... 90 | 500 lbs.....19 15
25-lb. bag.... 1 60

**WEDO**

Feeds Grass
Kills Weeds

A balanced formula of grass-feeding elements and weed-killing 2,4-D for established lawns. It supplies sufficient complete fertilizer to produce thick, healthy, luxuriant lawns while destroying common lawn weeds such as dandelion, plantain, ground ivy, etc. at the same time.

Use 1 ½ pounds to 100 square feet.

7 ½-lb. bag....\$1 50 | 50-lb. bag....\$4 95
25-lb. bag.... 2 75 | 100-lb. bag.... 7 95
500 lbs.....37 50

MILORGANITE**All-Organic Natural Fertilizer**

Ideal for lawns, gardens, trees and shrubs. This dependable, safe and easy-to-use fertilizer will carpet your lawn with a dense, healthy turf. Grass will stay green longer. You can grow more delicious vegetables, finer flowers, and better trees and shrubs by using Milorganite.

25-lb. bag....\$1 50 | 500 lbs.....\$19 50
50-lb. bag.... 2 50 | 1000 lbs..... 37 00
100-lb. bag.... 4 20 | 2000 lbs..... 70 00

Lawn and Garden Bone-Meal

Especially adapted for lawns, gardens, and greenhouses.

Nitrogen, 1.75 per cent; total Phosphoric Acid, 20 per cent.

5 lbs.....\$0 75 | 50 lbs.....\$3 75
10 lbs..... 1 25 | 100-lb. bag.... 6 50
25 lbs..... 2 50 | 500 lbs.....30 00

Nitrate of Soda

16% Nitrogen

1 lb.....\$0 20 | 25 lbs.....\$2 00
5 lbs..... 75 | 50 lbs..... 3 50
10 lbs..... 1 25 | 100 lbs..... 6 00

Sulphate of Ammonia

20.56% Nitrogen

5 lbs.....\$0 60 | 50 lbs.....\$3 00
10 lbs..... 1 00 | 100 lbs..... 5 00
25 lbs..... 1 75 | 500 lbs.....22 50

Aero Cyanamid

20.6% Nitrogen, 70% Hydrated Lime

100 lbs.....\$5 80 | 500 lbs.....\$26 50
Larger quantities of above 4 materials quoted on request.

Aluminum Sulphate

Experiments have shown that soil acidity is required for rhododendrons, azaleas and all other evergreens. Apply at the rate of about one-half pound per square yard.

5 lbs.....\$0 60 | 50 lbs.....\$3 00
10 lbs..... 1 00 | 100 lbs..... 5 50
25 lbs..... 1 75

Bald Eagle Hydrated Lime

Prepared especially for vegetable gardens, lawns, greenhouses, white wash, and kindred uses, besides all the various other purposes for which Lime is essential. It corrects the sour condition which exists in many soils, especially those shaded by houses or trees. For the treatment of lawns and gardens, apply in the late fall or early spring at the rate of 5 pounds per 100 square feet of space. Broadcast the Lime over the surface as evenly as possible and thoroughly rake into the prepared top-soil a few days before planting.

10-lb. bag....\$0 35 | 500 lbs.....\$10 00
50-lb. bag.... 1 35 | 1,000 lbs.....18 00
100 lbs..... 2 25 | 2,000 lbs.....32 00

Alfalfa Brand Agricultural Limestone

100 per cent passing 20 mesh; 70 per cent passing 100 mesh

Pure ground Limestone, artificially dried and very finely pulverized. Use 15 to 20 pounds per 100 square feet.

80-lb. bag....\$1 65 | 960 lbs.....\$11 52
480 lbs..... 6 72 | 2,000 lbs.....18 50

Humus

An organic material used principally as a soil-conditioner and for mixing with potting soil. Recommended for lawns, flower-beds and gardens.

Large bag (about 100 lbs.).....\$3 00
5 bags.....12 50
10 bags.....24 00

Hyponex Plant-Food

A complete, balanced, scientific plant-food for either indoor or outdoor use. It can be used on vegetable crops, flowers, lawns, trees or plants in pots. Hyponex is also invaluable for rooting cuttings and in transplanting. It speeds up growth and produces strong, lusty plants. Contains chemical nitrogen. One pound makes 100 gallons of liquid plant-food.

3-oz. can 25 cts., 7-oz. can 50 cts., 1-lb. can \$1, 10-lb. drum \$8, 25-lb. drum \$15, 50-lb. drum \$25, 100-lb. drum \$40.

PlanTabbs

A complete balanced plant-food in convenient tablet form, plus Vitamin B₁. Can be used both in the garden and on houseplants. 30 tablets 25 cts., 75 tablets 50 cts., 200 tablets \$1, 1000 tablets \$3.50.

Transplantone

Use Transplantone when transplanting tomato, cabbage, pepper, eggplant, and all vegetable and flower seedlings. Soak hardy plants, roses, and shrubs overnight in Transplantone solution before planting. It starts them sooner into active growth and prevents wilting and delay in development. ½-oz. pkt. 25 cts., 3-oz. can \$1, 1-lb. can \$4.

Rosetone

A combination of vitamins and hormones prepared especially for roses. For a better and healthier growth, water established rose bushes with Rosetone. When planting rose bushes soak the roots in Rosetone beforehand for a quicker start and sturdier growth. ½-oz. pkt. 25 cts., 3-oz. can \$1.

Electra Fertilizer (5-10-3)

Used very extensively by commercial and private growers. Electra contains Vitamins A and B complex and D, and is designed to exercise a corrective influence on every phase of plant development, soil, roots, structure, breaks, buds, flowers, fruit, and seeds. Highly organic. Use it for feeding, forcing, or finishing. Electra guarantees uniform plant-development and color without softness.

100-lb. bag....\$8 00 | 1,000 lbs.....\$72 00
500 lbs.....37 50 | 2,000 lbs.....140 00

Marsh or Salt Hay

Used principally in the fall and winter to prevent heaving of perennials, rose bushes, and other plants during the spring months. Bale \$4, 5-bale lots, \$3.75 per bale.

Sudbury Soil-Test Kits

Makes individual test for nitrogen, phosphorus, potash and acidity.

Home Model, makes 20 tests. \$2.50.

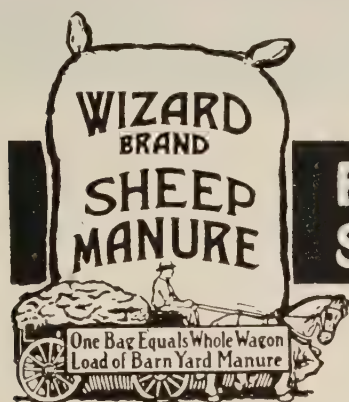
Sudbury Horticultural Model, makes 100 tests for each element. n metal case with carrying handle. \$12.50.

Junior Professional Model, makes 50 tests. \$4.75.

Deluxe Model, makes 200 tests. Sturdy metal case, \$24.95.

Testing Fluid for Refill. (Specify whether for nitrogen, phosphorus, potash, or acidity.) 2 ozs. \$1, 6 ozs. \$2.

All prices on this page include local delivery in quantities of 100 pounds or more



Natural Organic Plant Foods

For Lawns, Flowers, Shrubs and Vegetables

*safe—de-hydrated
weedless—economical*



PRICES

5 lbs.	\$0 40
10 lbs.	75
25 lbs.	1 35
50 lbs.	2 40
100 lbs.	4 25
500 lbs.	20 00
1000 lbs.	37 50
2000 lbs.	70 00

Prices include local delivery in quantities of 100 pounds or more.

Nature's Perfect Soil Builders

You get added value and greater effectiveness from Wizard Natural Plant Food because of these three distinctive and important features:

1. All Plant-Food Elements.

Wizard supplies in a safe natural form all the elements needed to make plants thrive.

2. Soil-Building Humus.

Humus is a vital need of all soils and is supplied in abundance by Wizard. Humus is supplied only by natural organic plant-foods.

3. Beneficial Bacterial Action.

The vast store of plant-food locked up in all soils is liberated and made available to plants by the bacterial action that Wizard promotes.

Wizard improves the physical condition and puts new life into worn-out soils. It is safe, absolutely weedless and lasting in effect.

Lawns.

Six to ten pounds to 100 sq. ft. in spring and fall will produce a thick green turf.

Flowers.

A handful mixed with soil under each new plant or 10 lbs. to 100 sq. ft. of bed area will insure luxuriant green foliage and an abundance of bloom.

Vegetables.

Wizard promotes quick, tender growth of high-quality vegetables. Apply in hill or row or broadcast at rate of 6 lbs. to 100 sq. ft.

Shrubs and Trees.

The lasting qualities of Wizard make it the ideal food for trees and shrubs. It releases plant-food continuously over a long period.

MASTERS FERTILIZER DISTRIBUTORS

Simple, sturdy, and efficient machines for the even distribution of dry commercial fertilizer, grass seed, top-dressing and similar material. Revolving agitator insures free-flowing material. Shut-off control on handle. Masters distributors are built to give years of hard service. All numbers equipped with rubber-tired wheels.

Model	Spreading width	Hooper capacity	Price
No. 25S	18-in.	20 lbs.	\$8 95
No. 30	18-in.	50 lbs.	12 95
*M241D	24-in.	75 lbs.	41 50
*M361D	36-in.	120 lbs.	53 25
*M361SD	36-in.	120 lbs.	63 95

*These are heavy-duty models suitable for large estates, cemeteries, golf courses, landscape gardeners, etc. Model M361SD has stainless steel bottom and agitator.

*Saves Time, Labor,
Material*

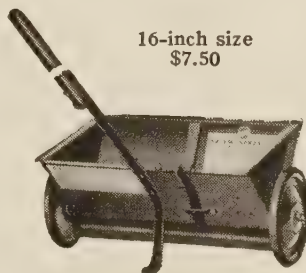


No. 30
Home Lawn Model
\$12.95

SALEM FERTILIZER SPREADERS

Designed for the even distribution of fertilizers, grass seed, and other granular materials. Salem Spreaders are of steel construction with reinforced hopper and feature both manual and automatic shut-off. All models equipped with selective feed control and rubber-tired wheels.

Hooper width	Hooper capacity	Price
16 in.	22 lbs.	\$7 50
20 in.	40 lbs.	11 50
30 in.	80 lbs.	17 50



16-inch size
\$7.50

A winning combination for a beautiful lawn: "PURITY" LAWN SEED and AGRICO FOR LAWN FERTILIZER. See pages 54 and 61.

Pioneer Garden Peat Moss

This true sphagnum Peat Moss is all-organic and makes a most economical source of humus for loosening heavy clay soils, gives body to sandy soils, stores up valuable moisture, promotes the development of vigorous root-growth. It aerates the soil and prevents baking and crusting.

As a Protective Mulch against extreme heat of summer and freezing blasts of winter, spread it around base of plants to a depth of 3 to 4 inches.

1/2 bu. bag 50 cts., 1 bu. bag 95 cts., 2-bus. carton \$1.95, 1/2 bale \$3.75, bale \$5.75, 5-bale lots, \$5.50 per bale.



Turn Garden Rubbish Into "Rich Fertilizer" Use Adco

Field and garden wastes—grass cuttings, leaves, etc.—contain everything needed by growing things, but they cannot be used in their "raw" state. Mixed with a small proportion of Adco, they are speedily converted into rich plant-food. It's easy to do—and inexpensive.

5-lb. carton (enough to make about 200 lbs. of fertilizer)	\$1 35
20-lb. bag (enough to make nearly half a ton of fertilizer)	3 30
150-lb. bag (enough to make over 3 tons of fertilizer)	15 00

Insecticides and Fungicides



INSECT SPRAY

Non-Poisonous—Kills Sucking and Chewing Insects on Fruit Trees, Shade Trees, Vegetables and Flowers

A most powerful, non-poisonous, garden and orchard contact spray. 1½ pints DX in 100 gallons of water controls sucking and chewing insects on fruit and shade trees and in gardens and greenhouses. Contains rotenone, pyrethrum and piperonyl cyclonene for extra long-lasting killing power.

For complete control of insects on fruits, flowers and vegetables in the home-garden, spray every 10 days or two weeks throughout the insect season with two teaspoonfuls of DX in one gallon of water

1-oz. bottle.....	\$0 35	1-qt. can.....	\$5 50
4-oz. bottle.....	1 00	1-gal. can.....	14 50
½-pt. bottle.....	1 75	5-gal. can.....	57 00



TRI-GEN
Patents Pending

Rose Garden Spray Treatment

Used by Leading Rosarians

Tri-ogen Spray gives protection against certain insects and diseases, including black-spot, mildew, aphids, etc. It is especially recommended for roses, asters, snapdragons, hollyhocks, phlox, delphiniums, dahlias, and many other plants. The stimulating value of Tri-ogen promotes vigor and growth, healthy green foliage, with resultant luxuriant blooms. Tri-ogen now contains FERMATE.

Protects for season

E. Kit.	6 to 10 roses.....	\$1 35
A. Small Kit.	12 to 20 roses.....	2 25
B. Medium Kit.	50 to 80 roses.....	6 00
C. Large Kit.	100 to 160 roses.....	9 00
D. Estate Kit.	400 to 600 roses.....	30 00

To Control Fungus, Mildew, Black-Spot, and Rust

Powdered Bordeaux Mixture

A powerful fungicide for the control of blights, rusts, and rots on any crops where Bordeaux is the recommended control.

1-lb. pkg. 45 cts., 4-lb. bag \$1.25, 48 lbs. (12 4-lb. pkgs.) \$12.96.

Chipman Copper Hydro

An effective copper fungicide. May be used as a spray or dust. Compatible with most insecticides. Contains 26% metallic copper.

5-lb. bag \$1.50, case (10 5-lb. bags) \$13.

Cupro-K

An efficient and safe fungicide for the control of certain diseases of vegetables, especially blight and leaf-spot on tomatoes and wilt and leaf-spot on cucumber. Used as a spray or in a dust.

3-lb. bag \$1.05, case (16 3-lb. bags) \$13.44.

Dithane D-14

Gives positive control of both early and late blight on tomatoes and potatoes. Combined with DDT it gives complete insect and disease control on potatoes. Use 2 quarts of Dithane D-14 to each 100 gallons of spray. Spray 100 to 125 gallons of solution per acre, every five to seven days.

5-gal. drum \$9.70, 30-gal. drum \$55.50.

Niagara CopoDust

Controls Blight on Tomatoes

For early and late blights on tomatoes, potatoes, and other fungous diseases on vegetables and ornamentals. Contains no lime. Use as dust only. Do not use on beans.

1-lb. sifter-top can 45 cts., 5-lb. bag \$1.15, case (10 5-lb. bags) \$10.50.

Sulfocide

A concentrated sulfur fungicide, which, sprayed on fruit or foliage, precipitates a fine colloidal sulfur to control fungous diseases of fruits, vegetables and flowers.

Pt. \$1, qt. \$1.45, gal. \$3, 5 gals. \$9.75, 30 gals. \$40.30, 55 gals. \$66.

Niagara Wettable and Dusting Sulphur

Controls mildew, black-spot, leaf-spot, and other fungous diseases on roses, chrysanthemums, phlox, delphiniums, etc.

2-lb. sifter carton 50 cts.

Superfine Dusting Sulphur

For dusting only.

25 lbs. \$2.25, 50-lb. bag \$4, 100 lbs. \$7.

Niagara Kolospray

An effective, non-caustic, wettable sulphur fungicide for apple scab, brown rot and similar plant diseases. 5-lb. bag 80 cts., case (10 5-lb. bags) \$6.90.

Bowker's Nicotine Pyrox

Controls chewing and sucking insects and provides protection against fungous diseases. 20-oz. jar (makes about 4 gals. spray) 60 cts., 5-lb. can \$2.25, 25-lb. pail \$7.

Pomo-Green With Nicotine

Prevents and controls black-spot, mildew, chewing and sucking insects on plants, shrubs, and roses quickly and effectively. 1-lb. can \$1, 5-lb. can \$3.85.

Du Pont Garden Dust

An effective insecticide and fungicide for the control of the Mexican bean beetle and many other insects, and the prevention and control of blights. Can be used as a dust or spray. 8-oz. dust gun 80 cts., 1-lb. sifter-top can \$1.15, 4-lb. can \$3.50.

Du Pont Floral Dust

For the control of many insects and diseases of flowers. Contains rotenone and methoxychlor for the control of insects, and sulfur and FERMATE for the control of diseases. 8-oz. dust gun 80 cts., 1-lb. can \$1.15, 4-lb. can \$3.50.

Evergreen Garden Spray

A powerful garden insecticide that kills both chewing and sucking insects. Safe and economical to use. Oz. 35 cts., 6 ozs. \$1.15, pt. \$2.45, qt. \$4.10, gal. \$12.60.

Du Pont FERMATE

A safe, non-caustic fungicide. Effective on a wide range of plants and compatible with most insecticides. 8-oz. can 75 cts., 3-lb. bag \$2.70, case (12 3-lb. bags) \$30.96.

Du Pont Zerlate

A new and effective fungicide that has proved effective in the control of certain plant diseases of potatoes, tomatoes, celery and cucumbers. Compatible with common insecticides. 3-lb. bag \$2.70, case (12 3-lb. bags) \$31.32.

Du Pont Parzate

Unusually effective in the control of both early and late blights of potatoes and tomatoes and of diseases of other vegetables and fruits. Compatible with DDT and other commonly used insecticides. Use at the rate of 1½ to 2 pounds in 100 gallons of water; as a dust a 10 to 20 percent mixture is recommended. 6-oz. can (labeled Du Pont Fungicide-A) 85 cts., 3-lb. bag \$3.30, case (12 3-lb. bags) \$38.16.

Copper Sulphate (Blue Vitriol)

For making Bordeaux Mixture solution. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.90, 50 lbs. \$8, 100 lbs. \$15.

Agricultural Sulphur

For making lime-sulphur solution. 100 lbs. \$6.50, 500 lbs. \$28, 1000 lbs. \$55, 2000 lbs. \$109.

TO CONTROL CHEWING AND SUCKING INSECTS

Rotenone Dust

Kills the Mexican Bean Beetle

A general-purpose Dust that controls the Mexican bean beetle and most species of aphids, thrips, leaf-worms, beetles, larvæ, and other sucking and leaf-eating insects on vegetables, flowers, small fruit, etc. Requires 15 to 25 pounds to the acre.

To control the Mexican bean beetle the dust must be applied to the under side of the leaves. $\frac{3}{4}$ % Rotenone Dust.

1-lb. can.\$0 45 | 50-lb. bag...\$9 00
4-lb. bag. 1 10 | 100 lbs.17 00

1% Rotenone Dust

50-lb. bag...\$10 25 | 100 lbs.\$19 50

Du Pont Marlate 50

An insecticide recommended for fruits, vegetables, animals and farm buildings. Has high insecticidal efficiency, low toxicity to warm-blooded animals and safety to plants.

Vegetables that are sensitive to certain other insecticides, like cucurbits and beans, can be effectively sprayed with Marlate. Fast knock-down or paralytic action. 8-oz. can (labeled Du Pont Methoxychlor) 75 cts., 4-lb. bag \$3.90, case (12 4-lb. bags) \$44.64.

Hammond's Slug-Shot

A light, composite, fine powder that is easily distributed either by duster or in water and sprayed. It is thoroughly reliable in killing the Mexican bean beetle and other leaf-chewing insects.

Lb. 40 cts., 5 lbs. \$1.65.

Dow's Parathion 15% Wettable Powder

A new and highly effective insecticide against mites, aphids and many other insects. Very toxic and must be used with extreme caution. 1-lb. tin \$1.25, case (12 2-lb. tins) \$12.96.

Alcoa Cryolite

Very effective in controlling the Mexican bean beetle, cabbage worm and many other chewing insects. Can be used as a spray or dust. A proved insecticide for both commercial growers and home gardeners.

1-lb. can 45 cts., 6-lb. bag \$1.50.

Chipman's Powdered Arsenate of Lead

Can be used either as a spray or as a dust for external chewing insects. It will not burn or injure your crop. It is the fineness of Chipman's Arsenate of Lead that causes it not only to spread and to stick better, but to kill better. Mixes easily, stays well in suspension.

Also used extensively for soil-treatment of golf greens and lawns to control white grubs and beetles that infest the sod and eat the roots of grass. Use 4 to 8 pounds for each 1,000 square feet of surface, mixed with top-soil, loam, or fine sand. Use 4 pounds of Arsenate to about 1 bushel of soil.

1-lb. bag 65 cts., 4-lb. bag \$1.65, case (12 4-lb. bags) \$17.76.

Calcium Arsenate

Use it to kill such pests as potato bugs, bean beetles, and other leaf-chewing insects. May be applied either wet or dry.

1-lb. bag 30 cts., 4-lb. bag 65 cts., case (12 4-lb. bags) \$6.75.

Spergon Gladiolus Dust

A combination fungicide and insecticide to be applied to bulbs in storage or before planting. Helps control storage rot, corm decay and thrips on the bulbs. Use it on gladiolus, tulips and narcissus bulbs. 2-oz. envelope 25 cts., 1-lb. can \$1.50.

Paris Green

$\frac{1}{4}$ -lb. carton 35 cts., 1-lb. carton \$1, 5-lb. carton \$3.75.

Tartar Emetic

Used in a spray mixture to control gladiolus thrips. Use $\frac{1}{2}$ pound Tartar Emetic and 1 pound brown sugar to 25 gallons of water. $\frac{1}{4}$ lb. 50 cts., lb. \$1.50, 5 lbs. \$4.90, 25 lbs. \$19.

Ogen's Corn Ear Worm Drops

Effective media for the control of the corn ear worm. Apply several drops to each ear after the silks have been pollinated. 2-oz. bottle with applicator 35 cts.

Black-Leaf 40

Nicotine Sulphate

Recommended by experiment stations and by spraying experts throughout the United States and the Dominion of Canada.

The standard contact insecticide for spraying vegetables, fruits, flowers, and plants to destroy aphids, most thrips, leaf-hoppers, and similar sucking insects. Also effective for dipping purposes. One ounce makes 6 gallons of spray.

1-oz. bottle...\$0 35 | 2-lb. can...\$4 15
5-oz. bottle... 1 05 | 5-lb. can... 7 40
1-lb. bottle... 2 42 | 10-lb. can...12 65

Black Leaf Nicotine Dust

Controls aphids and other sucking insects. Leaves no objectional residue. Guaranteed 3.6% nicotine. Use as a dust only. 50-lb. bag \$8.45.

VOLCK Oil Spray

A Summer Oil Spray and Spray Carrier

A contact insecticide for the control of scale insects, red spider, white flies and mealy bugs on trees, plants, shrubs and evergreens. Can be combined with nicotine, rotenone, pyrethrum, or arsenate of lead to control aphids, thrips, and certain leaf-eating insects.

4-oz. bottle...\$0 35 | 5-gal. drum...\$9 95
16-oz. bottle... 70 | 28-gal. drum...36 00
1-gal. bottle... 2 85 | 54-gal. drum...55 00

Kolo Fruit Tree Spray or Dust

Formulated for complete insect and disease control after the dormant stage. Can be used with safety on fruit trees and certain ornamentals. Contains basic lead arsenate, sulphur and D.D.T. It has good adhesive qualities and stays in suspension. Three pounds makes 25 gallons of spray.

3-lb. bag \$1.50, case (16 3-lb. bags) \$22.08.

D.D.T. PRODUCTS

Pratt's 25% D.D.T. Spray

Use 1 to 2 quarts to 100 gallons of water to control certain insects on fruit and shade trees and in gardens and greenhouses. Also used at the rate of 1 part to 4 parts of water (5% solution) for treatment of barns, dairies, kennels, etc., for flies, mosquitoes, gnats, and fleas.

$\frac{1}{2}$ -oz. bottle 35 cts., $\frac{1}{2}$ -pt. bottle 85 cts. 1-qt. can \$1.75, 1-gal. can \$5.30, 5 gals. \$19.50.

Chipman Dual Dust

A ready mixed dust containing 3% D.D.T. and 25% of a 26% metallic copper fungicide. Controls certain insects and prevents diseases. An effective dust for control of insects and late blight on potatoes.

4-lb. bag \$1, 50-lb. bag \$8.75.

Pratt's Surfispray

Pratt's Surfispray is 5% D.D.T. fortified with pyrethrum and piperonyl cyclohexanone, a spray for flies, mosquitoes, moths, fleas, gnats, bedbugs, roaches, and silverfish. For use in homes, kennels, dairy barns, and all livestock quarters. 100% active ingredients. Gives quick kill. Ready to use; does not stain.

1-pt. bottle 75 cts., 1-qt. can \$1.15, 1-gal. can \$3.15, 5-gal. can \$11.55.

Chipman D.D.T. Dusts

Ready mixed dusts for the control of corn ear worm, cabbage caterpillars, and certain other insects on vegetables. Also chinch bugs in lawns.

D.D.T. 5% Dust. 1-lb. bag 35 cts., 4-lb. bag 90 cts., 50-lb. bag \$7.50.

D.D.T. 10% Dust. 50-lb. bag \$10.50.

Du Pont "Deenate" 50-W D.D.T. Powder

A micronized dry wettable 50% D.D.T. powder that mixes readily and shows no tendency to agglomerate in the spray tank. Two pounds in 100 gallons of water is generally used for codling moth, Japanese beetle, potato beetle, flea beetle, leafhoppers, leaf rollers, corn borers and thrips.

Also suitable for spraying animals, farm buildings and greenhouse crops.

1-lb. pkg. 80 cts., 4-lb. bag \$2.65, 48 lbs. (12 4-lb. bags) \$29.76.

Optox Special 10% D.D.T.

A concentrated rotenone and pyrethrum insecticide with 10% D.D.T. added. Controls about every insect that harms the growth of plants. Safe to use and will not burn the most tender plants.

1-gal. can \$12.

Dormant Sprays for Control of Scale

SCALECIDE

THE COMPLETE DORMANT SPRAY
"Makes a Tree Outgrow Its Troubles"

for FRUIT TREES,
SHADE TREES and
ORNAMENTALS

SCALECIDE—the complete dormant spray—is the safest and most effective means of getting rid of overwintering insects. It invigorates your trees and gives them a good healthy start for spring growth.

Scalecide kills scale, red mite, aphid (delayed dormant), bud moth, case bearer, pear psylla, overwintering codling moth and many other pests. Scalecide also has an invigorating effect on tree growth that is unequalled by any other spray. Apply just before the foliage starts in the spring.

Spray fruit trees, shade trees, small fruit, and shrubs with Scalecide 1 to 15 in the spring before the buds show green, provided the temperature is not colder than 40°. On peach and pear trees fall spraying is preferable to control peach curl and pear psylla.

Spray evergreens, euonymus, etc. with Scalecide 1 to 20 in the spring just before the new growth starts.

1-qt. can.....	\$1 00
1-gal. can.....	2 50
5-gal. drum.....	8 50
15-gal. drum.....	25 00
30-gal. drum.....	38 00
55-gal. drum.....	53 00

\$4.00 will be refunded on 15-gal. drums and \$5.00 on 30-gal. and 55-gal. drums when returned to our warehouse.



Scalecide gives your trees a healthy start.

Sunoco Self Emulsifying Spray Oil

Scale insects include some of the most dangerous enemies of horticulture. They are small, but propagate so rapidly that neglected trees quickly become incrustated with them. Sunoco applied as a dormant spray will control most all kinds of scale.

1-gal. can... \$1 60	55-gal. drum \$31 35
5-gal. drum.. 6 35	drum extra.. 6 00

DN-Dry Mix (Wettable) Dinitro-O-Cresol

A spring dormant spray recommended for use alone in water or in combination with oil sprays. When added to oil it increases the toxicity of the spray to certain scale insects.

1-lb. bag \$1, case (24 1-lb. bags) \$19.44.

To Control Borers, Cutworms, Grubs, Sowbugs, Etc.

Para-Scalecide Controls Peach Tree Borer

Eliminates much of the danger and saves labor in the control of borers in peach and other trees. Comes in liquid form. Dilute one gallon in 7 gallons of water and it is ready to apply directly to the tree. Ask for special leaflet.

1-qt. can... \$1 25	15-gal. drum \$23 30
1-gal. can... 3 00	30-gal. drum 37 75
5-gal. can... 9 50	55-gal. drum 57 50

Parafume

Paradichlorobenzene

Parafume is recommended for the control of peach-tree borers. When placed around the base of a peach tree, it will generate a gas that will kill the borers in that tree. Use in spring or fall when trees are not growing vigorously. Use about 1 ounce per tree. Directions on container.

1-lb. pkg. 55 cts., 5-lb. pkg. \$2.60, 25-lb. drum \$5.75, 50-lb. drum \$9.75.

Snarol Cutworm Bait

With Metaldehyde as an Attractant

Cutworms, sowbugs, slugs, snails, earwigs, etc., are quickly exterminated.

Snarol is a ready-prepared meal that you simply broadcast on the ground, under the vegetation. Pests eat it at night and are quickly destroyed. It will not deteriorate from rain or sprinkling, and is non-injurious to vegetation.

Lb. 35 cts., 2½ lbs. 75 cts., 6 lbs. \$1.50.

Greenhouse Insecticides and Fungicides

Nico-Fume Pressure Fumigator

Nico-Fume Powder packed in hermetically sealed cans. An effective greenhouse fumigant to destroy aphids, thrips, midge, etc.

½-lb. tin 50 cts., \$2.60 for 6, \$4.60 per doz.

1-lb. tin 80 cts., \$4.25 for 6, \$7.95 per doz.

Benzo-Fume Pressure Fumigator

Recommended for control of greenhouse red spider and certain mealy bugs. Contains 17.5% azobenzene.

½-lb. tin 40 cts., \$1.90 for 6, \$3.20 per doz.

1-lb. tin 55 cts., \$3 for 6, \$5.50 per doz.

Nico-Fume Liquid

Contains 40 per cent of free nicotine.
1-lb. tin \$2.60, 2-lb. tin \$3.45, 8-lb. tin \$11.95.

Du Pont Loro

A thiocyanate contact insecticide for the control of mealy bugs, red spider, chrysanthemum midge, thrips, cyclamen mite and aphid. 1-pt. bottle \$2.25, 1-gal. bottle \$12, 5-gal. can \$50.

OPTOX

A dependable rotenone and pyrethrum insecticide for the control of most chewing and sucking insects in greenhouses and gardens. Contains its own spreader.
1-gal. can \$12.

Atlas NNOR

A double-action contact insecticide for the control of red spider, aphids, soft scales, leafhoppers, thrips, mealy bugs, midge on mums, and white fly. Mixes readily with water, gives high kill and is pleasant to apply.

1-gal. can \$13.50, 5-gal. can \$60.

CYANOGAS G. Fumigant. Fine for greenhouse and mushroom-house fumigation. In the greenhouse, ¼ ounce per 1,000 cubic feet will control aphids, white fly, soft scale, thrips, and other greenhouse pests. (Booklet on request.)

5-lb. tin... \$3 75	100-lb. drum \$30 00
25-lb. pail... 12 50	Not mailable.

New Improved

WEEDONE

TRADE MARK

Contains 2,4-D and 2,4,5-T the two most effective chemicals for killing lawn weeds, poison ivy, briars and many other woody plants. Effective as a pre-emergence spray for crab-grass in lawns, for killing weeds in vacant lots, for preventing suckering and regrowth of stumps, for destroying vegetation in driveways, walks, tennis courts, etc.

Does not give off vapors that cause injury to flowers or ornamentals. Can be applied at any time of year when weeds are growing.

Weedone Concentrate 48

This is 2,4-D in the ethyl ester form and contains 3 pounds of 2,4-D acid equivalent per gallon. It is the most effective of the 2,4-D weed killers and is recommended for the hard-to-kill weeds and for the control of wild garlic and wild onion in pastures. Not easily washed off by rain. Won't leave any residue that is poisonous to animals.

Gal. \$6, 5 gals. \$28.25, 30 gals. \$135.30.

Weed Killers

KILLS DANDELION, PLANTAIN, WITHOUT INJURY TO LAWNS

Mixes readily with water and is easily applied with any type sprayer or the handy Weedone Applicator.

Eight ounces make sufficient solution for 1200 to 2400 sq. ft., depending on type of weeds to be controlled.

8-oz. can.....	\$1 00
1-qt. can.....	2 75
1-gal. can.....	6 95
5-gal. can.....	25 00
Weedone Applicator.....	49

Weedar 64

A liquid 2,4-D in the alkanolamine salt forms; contains 4 pounds of 2,4-D acid equivalent per gallon. Recommended for easier-to-kill weeds, for pre-emergence spraying and for weeds in corn, oats, wheat and other small grain. Non-volatile and safer to use near susceptible crops.

Qt. \$3, gal. \$6.25, 5 gals. \$29.60, 30 gals. \$141.90.

To Control Ants, Moles, Rats, Mice, Groundhogs, Etc.

Terro Ant Killer

Will drive ants in 24 hours from pantries, refrigerators, plants, flowers or any other place infested with them. A clean preparation in syrup form that cannot be blown into food or about the house and can be used without soiling or discoloring floors or receptacles. Terro is guaranteed to do the work or money back. Small size 25 cts., large size 50 cts. Postage 15 cts. extra.

Antrol Ant Killer

Antrol is easy to use, economical, and safe around children and pets. It consists of small glass containers from which the worker ants carry Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent freedom from these pests.

The containers may be refilled and used year after year. Adapted to any size home or garden. Guaranteed.

Antrol Ready-Filled Set consists of 4 special glass "feeders" containing regular Antrol Syrup. 40 cts. per set. Postage 15 cts. extra.

Antrol Syrup. 4-oz. bottle 20 cts.

Magikil Jelly

(Ant Bait)

A jelly bait that needs no feeders or traps. Simply place small doses in infested areas. Does not melt at ordinary temperatures. Endorsed by many state experiment stations. Garden tube 40 cts., estate tube \$1.



Cyanogas Ant-Killer

Ants die instantly when you drop a little Cyanogas Ant-Killer into the entrance to the nest. It is simple and sure. The gas does the work—penetrates all through the nest. 4-oz. tin 50 cts. (Not mailable.)

Carbon Disulphide

Recommended for killing ants, moles, woodchucks, and ground squirrels. For ants in hills, punch holes at intervals of 10 inches and pour a tablespoonful in each hole, then cover with burlap or similar covering. 1-lb. tin 70 cts., 5-lb. tin \$2.25, 10-lb. tin \$3.25. (Not mailable.)

Exterminate Moles with Mole-Nots

Kills moles quickly. Safe and easy to use. Simply shake a few of the pills in runways at intervals of 2 to 3 feet. Mole-Nots safeguard bulbs when placed in ground at time of planting. Pkg. (8 "Nots") 35 cts., pkg. (50 "Nots") \$1.

Mologen

A safe and effective method of eliminating moles in lawns and flower-beds. Comes in powder form. ½-lb. can 50 cts.

Reddick Mole Trap

A durable trap made of steel and tinned. Easily set and a sure method of eliminating this pest. No. 200. \$1.75.

WEEDONE Crab-Grass Killer

Effective for the control of crab-grass without permanent injury to desirable grasses. Contains potassium cyanate. Relatively non-poisonous to humans or animals—goes to work fast—has no toxic effect on the soil. Applied with sprinkling can or sprayer. 5 oz. can makes sufficient solution to treat about 1000 square feet in the seedling stage. 5-oz. can \$1, 20-oz. can \$3, 5-lb. can \$8.85.

Du Pont Ammate Weed Killer

An effective chemical weed killer for poison ivy, sumac and other tough weeds. Dissolves easily in water. One application is all that is needed. Not for lawns. It is also very effective in keeping down sprout growth from freshly cut tree stumps.

2-lb. bottle.	\$1 00	50-lb. drum..	\$13 75
6-lb. bottle.	2 70	350-lb. drum..	75 25

Hammond's Weed Killer

Will kill weeds, and all vegetation without distinction, so it must be used cautiously where grass is desired. Used principally on tennis courts, drive-ways, walks, etc. Dilute 1 gallon to 30 to 40 gallons of water. Apply with a sprinkling-can.

Qt. 70 cts., gal. \$2, 5-gal. drum \$9.
Weedone Brushkiller. See page 93.

Cyanogas A Dust

Exterminates moles, ground-hogs, rats, mice, ants, fleas, wasps, and various other pests. It is Calcium Cyanide which liberates hydrocyanic acid gas when exposed to the natural moisture in the air and kills the pests wherever they are. They breathe the gas and die instantly.

1-lb. tin....	\$1 25	25-lb. pail.	\$12 50
5-lb. tin....	3 75	100-lb. drum.	30 00

Not mailable.

Cyanogas Foot Pump Duster. \$15.

K-R-O (Kills Rats Only)

K-R-O is made of red squill, an ingredient recommended by the U. S. Government for rat eradication. Red Squill may be safely used around humans, pets, and livestock. K-R-O Powder, 2-oz. size, 75 cts., postpaid.

K-R-O Ready Mixed Bis-Kit Form. Small size 35 cts., large size \$1, postpaid.

Pastoxine

Exterminator of rats and mice. Non-poisonous as well as repulsive to man, domestic animals, and poultry. Appetizing to rodents. Causes asphyxia (they run out for air and water to die). Highly concentrated. 1-oz. jar 60 cts., 1-lb. jar \$5, postpaid.

Mouse Seed

Safer and more convenient than traps or any paste or powder preparations. Ready to use. 25 cts., postpaid.

Seed and Soil Disinfectants and Seed Inoculation

DU PONT Seed Disinfectants

"Ceresan M"



A seed disinfectant for dry or slurry application on seed wheat, barley, rye, and oats. Effectively kills certain seed-borne diseases by both contact and vapor; generally controls covered smuts, and frequently increases yields. One pound treats 32

bushels of seed grain.

14-oz. can \$1.25, 3-lb. can \$3.55, 40-lb. drum \$35.85.

"Arasan"



A double-acting seed treatment for certain diseases of corn and vegetable seeds. Usually reduces losses from seed decay and damping-off. As a disinfectant generally destroys many surface seed-borne organisms.

As a protectant generally protects seed against soil-borne organisms responsible for seed decay. One ounce treats about 1 bushel of seed corn.

¾-oz. pkg. 25 cts., 8-oz. can \$1, 4-lb. can \$6, 25-lb. drum \$30.



"Semesan Bel"

Easy, quick-dip disinfectant for seed potatoes. Valuable for combating seed-borne Rhizoctonia and scab of seed potatoes and for protecting the seed against rotting. No mussy soaking—just dip, drain, dry, and plant. One pound will treat from 60 to 80 bushels of seed.

2-oz. pkg. 50 cts., 1-lb. can \$2.30, 4-lb. can \$7.50, 40-lb. drum \$70.35, 100-lb. drum \$166.



"Semesan"

Aids in reducing rot of flowers and vegetables, gives them a healthy start. Treat seeds, corms, bulbs, and seedlings. Semesan generally reduces seed rotting and damping-off. One ounce treats 15 to 60 pounds of seed.

¼-oz. 20 cts., 2 ozs. 60 cts., 12 ozs. \$2.85, 4 lbs. \$13.40, 25 lbs. \$72.65.

DUPONT Turf Fungicides

"Special Semesan"



For lawns, golf courses and other fine turfs, to prevent or control large brown patch and dollar spot. Apply as a liquid.

Lb. \$2.50, 4 lbs. \$8.90, 25 lbs. \$52.05.



"Tersan"

A non-mercurial for prevention or control of large brown patch and dollar spot on golf courses, grass tennis courts, lawns, and other fine turfs.

8 ozs. 80 cts., 4 lbs. \$5.16, 25 lbs. \$30.

"Tersan" 75 (75% Thiuram) 3-lb. bag \$6.75, Case (12 3-lb. bags) \$62.



Du Pont F-531

A cadmium fungicide for the control of dollar spot on golf courses, lawns and other fine turfs.

Lb. \$2.10, 4 lbs. \$6.75, 25 lbs. \$37.50.

Hammond's Formacide Stabilized Formaldehyde Dust

Used as a control of certain fungous diseases known as damping-off of seedlings and cuttings. For treating soil to be used in pots and flats mix 8 ounces of Formacide thoroughly with each bushel of soil. Also an effective control for smuts of oats and barley. Complete directions on package. ½-lb. 50 cts., lb. 85 cts., 5 lbs. \$2.50, 25 lbs. \$10, 50 lbs. \$17.50.

Suspension Calo-Clor

An intimate mixture of calomel and corrosive sublimate, recommended for the prevention and control of large and small brown patch. Contains 81 per cent mercury metal. Can be used satisfactorily in power sprayers.

25-lb. drum \$123.75. (Not available.)

Corrosive Sublimate

Mercuric Chloride, Bichloride of Mercury

Used for the prevention and control of brown patch on turf. Contains 74 per cent mercury metal.

¼-lb. bottle. \$1 50 | 5-lb. bottle \$24 50
1-lb. bottle. 4 90 | 25-lb. drum. 110 00

Not available

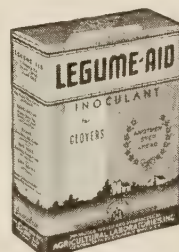
Mallinckrodt Cadmate

An organic cadmium compound for the prevention and cure of dollar spot in golf greens and fine turfs. Use ½ oz. per 1000 square feet.

½-oz. pkt. 40 cts., 12 pkts. for \$4.20, 5-lb. can \$48.

LEGUME-AID

Inoculant For Alfalfa, Soy Beans, Clovers and all other Legumes



All legumes are heavy nitrogen users and if not inoculated, they rob the soil like any other plant. Inoculating legumes with Legume-Aid Bacteria enables legume plants to draw free nitrogen from the air and make it available as food.

For Alfalfa and All Clovers. 1-bus. size 50 cts., 2½-bus. size \$1.

For Birdsfoot Trefoil. 10-lb. size 25 cts.

For Ladino Clover. 10-lb. size 25 cts.

For Soy Beans, all varieties. 2-bus. size 30 cts., 5-bus. size 55 cts., 25-bus. size (5 5-bus. sizes) \$2.50.

For Vetch, Field and Garden Peas. 100-lb. size 50 cts.

For Lespedeza, Cowpeas, Lima Beans, and Peanuts. 100-lb. size 30 cts.

For Garden Beans, Lima Beans, Garden Peas and Sweet Peas. Home Garden size (for 5 lbs. of seed) 15 cts., 1-bus. size 50 cts.

When ordering don't fail to state the kind of seed to be inoculated

Insure your crops with Du Pont Formaldehyde

Invaluable as a disinfectant, fungicide, germicide and deodorant on the farm and in the home.

For Grain-Smut Control. An efficient control for certain smuts of wheat, barley, oats, and rye. Can be applied by the sprinkle, dip, or spray method, as you wish. A one-pound bottle will treat 50 to 55 bushels of seed grain.

For Seed-Potato Treatment. Controls black scurf or rhizoctonia, and under certain conditions common scab, black-leg, and bacterial ring rot, which cut down the stand, cripple the potatoes, and reduce the yields. Potatoes are usually treated just before planting but this work may be done at any time in the winter or spring.

For Soils and Vegetables. Controls damping-off of seedlings in seed-beds and greenhouse benches; controls onion smut, root-knot, and other diseases.

Mushroom Disease Control. Fumigation with Formaldehyde has been found to be the most satisfactory means of control of the "bubbles" disease.

Lb. bottle 35 cts., 10 1-lb. bottles \$3, case (25 1-lb. bottles) \$7.

Ask for booklet and full directions.

Tree Tanglefoot

A sticky material for banding trunks of trees, to protect them against the ravages of climbing insect pests.

No mixing is required. It comes ready for use and is easily and quickly applied with a wooden paddle. One pound makes 15 to 20 lineal feet of band.

Lb. \$1.25, 5 lbs. \$5.85, 25 lbs. \$22.

Balsam Wool Tree Bands

Used with Tree Tanglefoot where indirect banding is desired. May be removed after insect season is over. Also makes an impenetrable barrier band for rough-barked trees. Width 3 inches. Comes in rolls containing 16½ lineal feet. Per roll 50 cts., 12 rolls \$5.40.

Niagara Soilfume Caps

For the control of nematodes and wire-worms, seldom-seen pests that attack and retard or destroy nearly all kinds of vegetable and flowering plants.

Use several weeks prior to planting time. 65 to 100 caps will treat 100 square feet.

Bottle of 100 capsules \$2; bottle of 200 capsules \$3.25; case of 8000 capsules \$90.

Trowbridge's Grafting Wax

Used by softening in warm water, or by the warmth of the hand. It can then be drawn out as thin as paper and spread on the cut and around the graft.

½-lb. pkg. 50 cts., 1-lb. pkg. 80 cts., dozen 1-lb. pkgs. \$8.50.

Bartlett Tree Paint

Contains ingredients necessary to protect trees after pruning and to heal tree wounds. Used by orchardists, tree surgeons, and state foresters.

Liquid. ½-pt. 55 cts., pt. 85 cts., qt. \$1.50, gal. \$3.40, 5 gals. \$10.

Plastic. Used for cavities and crevices. Pt. \$1.10, qt. \$2, gal. \$4.50.

Stanley's Crow Repellent

Protects seed corn during the period when it is most easily damaged by crows, pheasants, blackbirds, and all other corn-pulling birds.

Apply to the seed before planting. It will not kill birds or animals. One pint treats 2 bushels of seed.

½-pt. bottle 60 cts., 1-pt. bottle \$1, 1-qt. bottle \$1.75.

Tobacco Dust

A specially ground Tobacco Dust, guaranteed to contain not less than 1 per cent nicotine. It is particularly useful wherever a dusting powder is desired to destroy plant-lice. Owing to its extreme fineness it readily floats in the air, enveloping the entire shrub or tree in a dense cloud.

2-lb. carton 35 cts., 10-lb. pkg. \$1.20, 100-lb. sack \$4.75, 500 lbs. \$22.50.

Waterproof Tree Wrap

Protects the trunks of newly planted trees against frost, sun scald, borer attack and rodents. Easily applied. 4 in. wide. Roll, 150 feet, 85 cts., pkg. 10 rolls, \$8.

Fish-Oil Soap

Effective in destroying many sucking insects and lice on plants, trees, ferns, etc. It is an excellent wash to use on rose bushes, porch flowers, vines, rubber plants and palms. Also used as a spreader and adhesive where required.

½-pt. can 50 cts., 1-pt. can 90 cts., 1-qt. can \$1.60, 1-gal. can \$4.40, 5-gal. can \$18.

CPO Insecticide Soap Spreader

A dependable Soap Spreader or wetting agent for use with nicotine, pyrethrum, rotenone and other contact insecticides in common use. Non-poisonous, odorless; used on evergreens, shrubs, trees, flowering plants and in the greenhouse.

Solid. 25-lb. drum \$10, 50-lb. drum \$17.50, 100-lb. drum \$29.50.

Liquid. 1-pt. can \$1, 1-qt. can \$1.75, 1-gal. can \$4, 5-gal. drum \$11.50, 10-gal. drum \$21.50, 30-gal. drum \$55.

Spray Catalizer

A spreader, sticker and peacemaker of sulphur composition. It acts as a safener in lime sulphur-arsenate of lead mixtures or sulfocide-arsenate of lead mixtures and reduces the danger of burning, especially in damp, slow drying weather. Takes the place of casine and lime spreaders.

2-lb. bag 85 cts., case (24 2-lb. bags) \$18.

Du Pont Spreader-Sticker

Increases the effectiveness of contact sprays by making possible more thorough wetting of foliage and insects.

1-pt. bottle \$1.25, 1-gal. bottle \$8.

Rootone

The plant hormone powder. Use it for better rooting of cuttings, seeds, bulbs, corms, and tubers. Just dip the base of the moistened cutting in Rootone and set in sand or soil. To treat seeds and bulbs just dust with Rootone before planting.

¼-oz. pkt. 25 cts., 2-oz. jar \$1, 1-lb. can \$5.

Rootone No. 10. For woody cuttings such as azalea and evergreens. 2-oz. jar \$2, 1-lb. can \$10.

FRUITONE

Use this plant hormone spray on tomatoes for an earlier crop and more and bigger tomatoes. Spraying the blossoms of lima and string beans gives a better set of pods, especially in bad weather. Fruitone can also be used to prevent premature drop of apples and pears. Simple and easy to use.

¾-oz. pkt. (makes 5 gals.) 25 cts., 2-oz. can (makes 25 gals.) \$1, 12-oz. can \$5.

Dogzoff

An efficient repellent against dogs, cats or rabbits. Not poisonous to plants and will not injure animals. Not offensive to humans. Applied with any small sprayer. 3-oz. bottle 75 cts., 1-pt. bottle \$2.50, 1-qt. bottle \$4. 12-oz. Aerosol Dispenser \$2.25.

JAPONEX

Milky Disease Spore Powder for Control of the Japanese Beetle Grubs

Causes a fatal disease in Japanese beetle grubs which live principally in turf where they feed on grass roots, frequently destroying entire areas of lawns. A lasting treatment, not harmful to humans, animals or plants.

½-lb. pkg. (treats 2,000 sq. ft. of lawn area) \$3, 5-lb. drum \$27.

Synklor Chlordane Insecticide

A fast and effective control for ants, Japanese beetles, beetle grubs, chinch bugs, grasshoppers and thrips.

Synklor 50-W. A dry wettable powder containing 50% technical chlordane. 8-oz. can \$1.50, 1-lb. can \$2.50, 5-lb. drum \$5.65, 10-lb. drum \$10.80, 100-lb. drum \$81.

Synklor 48-E. A water emulsifiable liquid containing 48% technical chlordane. 1-gal. jug \$8.

ELLISCO

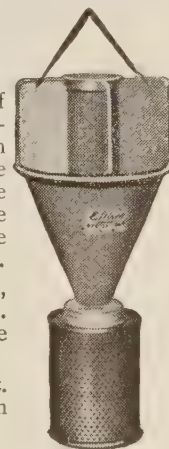
Japanese Beetle Traps

An efficient means of destroying full-grown Japanese beetles. The bait in the Trap attracts the beetles to the Trap; the beetles pass through the Trap into the cage where they can be destroyed.

No. 3 Trap. \$1.10 each, \$6.30 for 6, \$12 per doz. Price does not include cage, stand, or bait.

Ellisco Granular Bait. 4-oz. can 40 cts., 1-lb. can \$1.20, 5-lb. can \$4.75.

Perforated Cages. 2-qt. capacity. 50 cts. each, **No. 3 Trap with** \$2.70 for 6, \$4.80 per doz. **Perforated Cage** **Stands.** 35 cts. each.



Good-rite Z. I. P. Deer Repellent

An effective protection to crops and trees of damage by deer and similar browsing animals. Can be used during both the growing and dormant seasons. Comes in paste form, ready to be mixed with water. Apply with any hand or power sprayer. During growing season, use 1 pint to 5 gallons of water; during dormant season double this quantity. 1-gal. can \$7.20, 5-gal. drum \$33.75, 55-gal. drum \$315.

Good-rite No-Nib'l Rabbit Repellent

Protects vegetable crops and ornamental plants from the feeding damage of rabbits. Non-injurious to birds, rabbits or other animals. Effective either as a dust or spray. 6-oz. shaker top can \$1.

Rabbit Scat

Repels rabbits, cats and dogs—will not harm plants or soil and is non-injurious to birds and animals. One treatment effective several months.

6-oz. can \$1, 1-lb. can \$2.50.

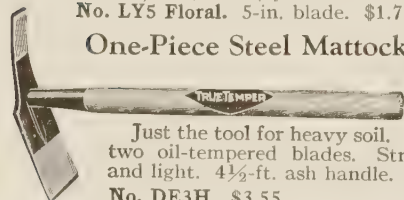
DELIVERY: At prices given in this Catalog, Insecticides and Fungicides are delivered prepaid on orders amounting to \$3 or more. On orders less than \$3, include postage at rates given on page 1 under Parcel Post Shipments.



Garden and Field Hoes

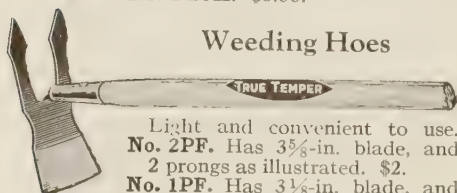
No. G. 4½-ft. handle, steel socket best quality. 6¼-in. blade, \$2 each; 7-in. blade, \$2.05 each.
No. LY5 Floral. 5-in. blade. \$1.75.

One-Piece Steel Mattock



Just the tool for heavy soil. Has two oil-tempered blades. Strong and light. 4½-ft. ash handle.
No. DE3H. \$3.55.

Weeding Hoes



Light and convenient to use.
No. 2PF. Has 3½-in. blade, and 2 prongs as illustrated. \$2.
No. 1PF. Has 3½-in. blade, and diamond point. \$1.95.



Italian Grape Hoe

Blade and eye forged from one solid piece of steel. Blade, 7 in. wide x 9 in. deep, 3½-ft. ash handle. A heavy tool for heavy work.
No. 1GH7. \$3.55.

Potato Hook

Five round tines; goose neck pattern. 4½-ft. handle. No. 5GNR. \$2.85.



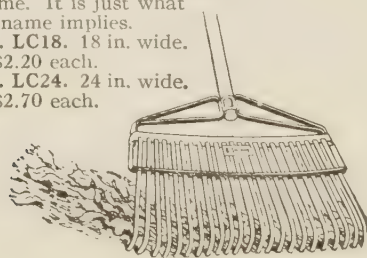
Rakes

No. T14. 14-tooth Level Head Steel Garden. \$2 10
No. B15. 15-tooth Bow Pattern Steel Garden. 2 30
McGuire's Bamboo Rake.
18-in. 1 50
24-in. 2 00
30-in. 2 75
Wooden Hay Rake. 10-tooth. 1 25
Wooden Lawn Rake. 20-tooth. 1 60
No. FBR22 Brume Rake. Has 22 12-in. flat flexible spring teeth. 19-in. spread. 1 45
No. 25X Lawn Groomer. Flat spring steel teeth, 17 inches wide. 95
No. CG. Crabgrass Rake. 26 teeth. 2 20

The Lawncomb

This rake has flat steel teeth and a steel frame. It is just what its name implies.

No. LC18. 18 in. wide. \$2.20 each.
No. LC24. 24 in. wide. \$2.70 each.



Garden Trowels



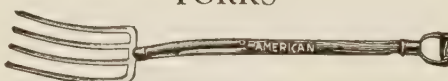
No. DST. Forged from one solid piece of steel and tempered. \$1 80
No. SST. Straight shank. 1 80
No. 211. Blade and shank forged from one piece of steel; steel ferrule. 6-in. 1 40
No. 215. Riveted shank. 6-in. 40
No. 217. Transplanting. 6-in. 35
No. 217. Transplanting. 7-in. 45

Featherlite Garden Tools

Made in one piece of an aluminum alloy and polished. Strong, light weight, non-rusting, will not bend; patented finger rest.

No. 101. Garden Trowel. \$1 45
No. 102. Transplanting Trowel. 1 15
No. 103. Cultivating Fork. 1 45
No. 104. Matched set of 3 tools. 3 95

FORKS



Spading Forks

No. EDS4D. Square tines 12 in. long, steel D-handle. \$3 25
No. DD. Diamond back tines 11½ in. long, steel D-handle. 3 20
No. DDL. Diamond-back tines 11½ in. long. 4-ft. handle. 3 20

Hay Forks. Oval tines, tubular ferrule.

No. 034B. 4-ft. handle. \$2 60
No. 034½B. 4½-ft. handle. 2 70
No. 035B. 5-ft. handle. 2 85

Manure Forks. Oval tines, tubular ferrule.

No. 044. 4-tine, 4-ft. bent handle. \$2 85
No. 04D. 4-tine, iron D-handle. 2 95
No. 054. 5-tine, 4-ft. bent handle. 3 10
No. 064. 6-tine, 4-ft. handle. 3 35
No. 06D. 6-tine, iron D-handle. 3 45

Ensilage or Barn Forks. Steel D-handle.

No. 508. 8 16-in. tines. \$5 30

Spades

Garden. D-handle, blade 7¼ x 12 in. \$3 25
Garden. Long handle, blade 7¼ x 12 in. 3 25

Floral Shovel



A handy tool for transplanting perennials, etc. Blade 5¾ in. wide, 7¾ in. deep.

No. FSD. \$2 10

Shovels

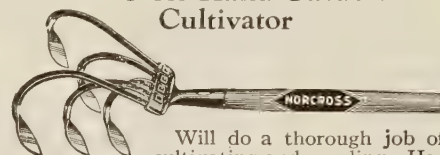
True Temper Round Point. D-handle. \$3 25
True Temper Round Point. Long handle. 3 25
True Temper Square Point. D-handle. 3 25
True Temper Square Point. Long handle. 3 25



Norcross V-Point Weeder

No. 25N. Used also as an asparagus cutter. Length overall, 14 inches. 50 cts.

Norcross Hand Garden Cultivator



Will do a thorough job of cultivating and weeding. Has forged prongs and 4-foot ash handle.

No. 59N. 1-prong. \$1 00
No. 33N. 3-prong. 1 80
No. 55N. 5-prong. 2 15

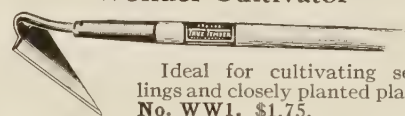


Speedy Cultivator

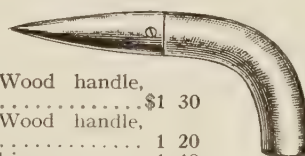
A very useful tool for work around flowerbeds, shrubs, and roses.

No. SC4. With 4 tines. \$2 30
No. FW3. With 3 tines. 2 10

Wonder Cultivator



Ideal for cultivating seedlings and closely planted plants.
No. WW1. \$1.75.



Dibbles

No. 218. Wood handle, usual size. \$1 30
No. 219. Wood handle, small size. 1 20
No. 220. All iron. 1 40

Scythes and Snaths



Austrian Scythe. Straw-tempered finish. European heel. 28 in. and 32 in. \$3.60.

Austrian Scythe. Straw-tempered finish. American heel. 28 in. and 32 in. \$3.50.

American Grass Scythe. 28 in. to 32 in. \$2.75.

American Bush Scythe. 18 in. to 22 in. \$2.75.

English Riveted Back Scythe. 28 in., 30 in., or 32 in. \$3.75.

Straight Snath. For Austrian Scythes with European heel. Has ring and wooden wedge. \$2.85.

Patent Grass or Bush Snath. With loop bolt and nut. \$3.25.

No. 414 Austrian Grass Hook. Thin blade of high-tempered steel. Blade and shank in one piece. \$1.75.

No. 3 Village Blacksmith Grass Hook. Cutlery steel blade with offset handle. \$1.

Little Giant Grass Hook. Cultery steel blade, 11 in. long. Steel shank shaped to raise handle. \$1.15.

Little Giant Long Handle Grass Hook. \$1.50.

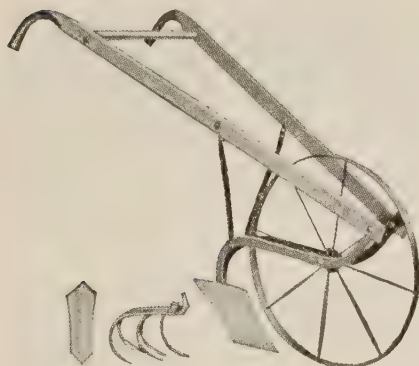
Seymour Grass Razor. For trimming. Has 30-in. handle, 7-in. blade \$1.00.

Scythe Stones

Carborundum Brand. Made in just the right grit to give a proper edge. No. 191. 12 in. long 60 cts. No. 192. 10 in. long (heavy), 55 cts.

Carborundum File. For sharpening mower sections and practically any edged farm and garden tool. No. 57. \$1.50.

Rival Garden Cultivator



A very satisfactory Cultivator, Weeder and Mulcher for the home-garden. The frame is made of steel. The long handles give ample foot-space behind the tool and can be raised or lowered to suit the operator's height. The 24-inch wheel has a convex rim which greatly adds to its strength. Price with tools as shown in illustration, \$8.25.

No. 17

Planet Jr. Single-Wheel Hoe



Price \$13.60
Steel Frame
15-in. Steel Wheel

Used by home gardeners and commercial growers. Inexpensive yet a complete gardening cultivator. Easy to handle—strong and sturdy. It is the most popular of all Wheel Hoes. Complete with tools as illustrated.

Planet Jr. No. 12 Double and Single-Wheel Hoe. A Single and Double-Wheel Hoe in one. Straddles crops till 20 inches high, then works between. Complete with 2 pairs scuffle hoes, 5 cultivator teeth and 1 pair hilling plows. \$20.50.

No. 300A Planet Jr. Drill Seeder



Price \$36.70
Weight 34 lbs.
Capacity, 4 quarts

15-in.
driving
wheel.
9-in.
concave
rear wheel

The No. 300A Seeder is a very efficient plate Seeder intended primarily for the market-gardener and farmer. Quick, easy, and accurate adjustment for all sizes of seed can be made in an instant. Plates provide 39 different holes through which a patented feed-wheel drops seeds in a steady, even row without crushing or jamming. It has removable hopper for emptying excess seeds.

Ask for Planet Jr. Catalog describing the complete line of Planet Jr. Seeders and Wheel Hoes.

The BARKER Weeder, Mulcher Cultivator

It cultivates and pulverizes the soil, forming a soil-mulch which holds moisture. The underground knife cuts the weeds underground, and the reel blades working in combination with the knife make a perfect mulch. The cultivator shovels are used for deeper cultivation. Cutting parts of best-grade steel for its purpose.



Barker Weeder

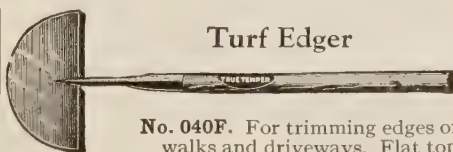
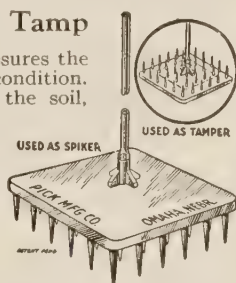
No. 8. An excellent size for general garden work. It cuts an 8-inch strip. \$10.50.

No. 10. Knife cuts a 10-inch strip. A very popular size. \$11.70.

Leaf Guards, if wanted, 75 cts. per pair extra.

Spike Lawn Tamp

Spiking a lawn assures the maintenance of its condition. It admits air into the soil, loosens the root-bound condition of the grass and permits water to enter the soil. Plate 9 in. square, spikes $1\frac{3}{4}$ in. long, weight $11\frac{1}{2}$ lbs. \$7.75.

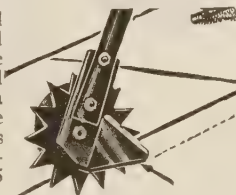


Turf Edger

No. 040F. For trimming edges of walks and driveways. Flat top blade. 4-ft. handle, \$2.20.

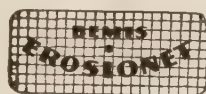
Lon-Groom Lawn Edger

Rotating spoked wheel holds sod and grass in place while the sharp tempered steel blade cuts a clean straight edge along the walk. Has steel handle, 51 inches long. **No. 90.** \$3.75



Bemis Erosionet

For New Lawns and Stubborn Terraces

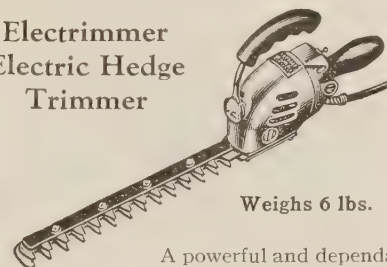


Bemis Erosionet is a strong, economical, open-mesh fabric made of tightly twisted paper twine. When placed over any seeded surface, its $\frac{1}{4}$ -inch square mesh forms millions of tiny dams which catch and hold the seed and soil firmly in place. Thus, damaging "washouts" from heavy rains are effectively checked without cutting off the sunlight.

It is rot-resisting during the period of its need or if allowed to remain it will eventually disintegrate. 45 inches wide. Sample on request. 28 cts. per lineal yd., 250-yd. roll \$50.

If you are interested in a garden tractor, turn to page 86

Electrimer Electric Hedge Trimmer



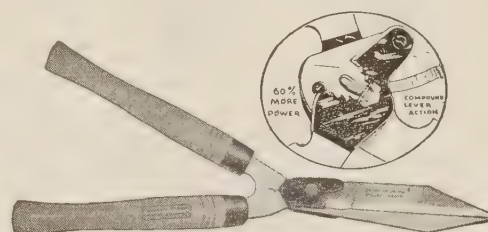
Weighs 6 lbs.

A powerful and dependable electric hedge trimmer. Does a much better job faster and much more easily than hand shears. Cutter blade 12 in. long. Price, with 6 ft. of rubber-covered cord and toggle switch, \$39.95.

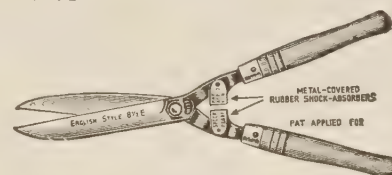
Extension Cord with Connectors

50-foot length, No. 18 cord.....\$4 50
100-ft. length, No. 18 cord.....7 95
100-ft. length, No. 16 cord.....9 50

HEDGE SHEARS



Seymour Smith Multi-Power. Blades of hardened tempered cutlery steel, with thin, keen edges. Patented compound lever provides "soft," smooth, non-jolting action. **No. 26.** 6-in. blades \$2.25; 8-in. blades \$3; 9½-in. blades \$3.35.



Wiss English Pattern. Blades are full forged, hollow ground, polished, hardened and tempered. Handles are of hardwood, riveted through nickel-plated steel ferrule, handle and tang. Rubber shock absorber reduces arm fatigue. **No. 8½E.** 8½-in. blade \$4.75. **No. 9½E.** 9½-in. blade, \$5.

GRASS SHEARS



Wiss-Klip Grass Shear. Operates with an easy up-and-down movement. \$1.95.

Doo Klip Long Handle Grass Shears. \$3.85.



No. 5600 Wiss. Forged from cutlery steel, hardened and tempered, hollow ground, polished blades. Offset handles eliminate bruised knuckles. Length 12 in. \$2.50.



Eazy-Wear Garden Gloves

Soft and durable, excellent for garden work. Sizes 6, 7, and 8, \$1.50 per pair; sizes 9 and 10, \$1.60 per pair.

Stakes



Wooden, Round, Tapering, painted green.
Made from native white pine.

	Doz.	100
1 1/2 ft. long, light weight....	\$0 60	\$4 00
2 ft. long, light weight.....	90	6 40
3 ft. long, light weight.....	1 50	11 00
4 ft. long, light weight.....	1 90	14 50
3 ft. long, heavy weight.....	2 00	15 50
4 ft. long, heavy weight....	2 65	20 00
5 ft. long, heavy weight....	3 25	25 00
6 ft. long, heavy weight....	4 00	30 00

Heavy Bamboo Tonkin Stakes. Make excellent supports for dahlias and plants of this type. Natural finish.

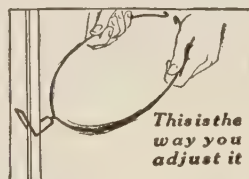
	Diam.	Doz.	50	100
6 ft. 5/8 to 3/4 in....	\$1 75	\$6 50	\$12 00	
Hyacinth Stakes. Painted green. 1 1/4-in. diam. Pointed.	100	1000	6000	
12 in. long.....	\$0 75	\$5 50	\$29 00	
18 in. long.....	85	6 50	34 00	

Bamboo Canes. Dyed green. Uniform pencil thickness throughout. Just the thing for pot-plants and plants that need just a light support.

	Doz.	50	100	1000
24 in. long....	\$0 30	\$0 75	\$1 25	\$10 00
36 in. long....	35	1 00	1 80	16 00
48 in. long....	40	1 25	2 25	20 00

Adjusto Plant Supports

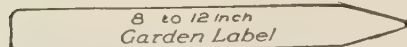
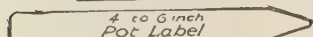
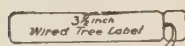
A sturdy, hard-wood stake seven-eighths inch square, with a strong wire support instantly adjustable to any height. A suitable support for tomatoes, dahlias, peonies, and all similar plants.



This is the way you adjust it

	Each	Doz.	Each	Doz.
3 ft....	\$0 40	\$3 85	5 ft....	\$0 50
4 ft....	45	4 35	6 ft....	55

Garden or Pot Labels (Painted)



	100	500	1000
4 in. x 5/8 in. wide....	\$0 60	\$2 50	\$4 50
5 in. x 5/8 in. wide....	65	2 70	4 90
6 in. x 5/8 in. wide....	70	3 00	5 40
8 in. x 7/8 in. wide....	1 25	5 50	10 50
10 in. x 7/8 in. wide....	1 35	6 15	11 80
12 in. x 1 1/8 in. wide....	2 10	10 00	19 50
3 1/2 in. copper wired..	70	3 00	5 50

Evermark Label Pencil. Makes a permanent record on garden labels. 20 cts. each.

TWIST-EMS' The New Handy Plant-Tie

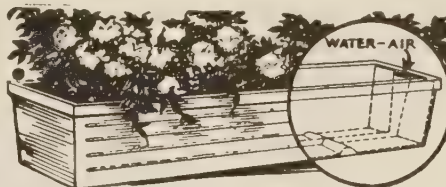
Strong tapes with wire reinforcing that make perfect plant-ties. For perennials, annuals, shrubs, vines, etc. Dark green color. Pkg. of 100, 8-in. size, 25 cts.; pkg. of 100, 16-in. size, 50 cts.; pkg. 250 ft., continuous roll, \$1.

Raffia

For tying, bunching, basket-making, etc.

Natural. In plaits. Lb. 90 cts., postpaid \$1. 10 lbs. \$8.50, postpaid \$8.75.

Green. Bundle (about 1 lb.) \$1.40.



The Perfecto Flower-Box

Proper Irrigation : Proper Ventilation

Provides correct principles for raising luxuriant plants and flowers indoors or outside. Water entrance at both ends supplies water properly at roots of plants and circulates air beneath soil. Furnished with drain plug.

	Each
20 in. long, 6 in. deep, 7 in. wide....	\$3 00
26 in. long, 6 in. deep, 7 in. wide....	3 50
32 in. long, 6 in. deep, 7 in. wide....	4 00
44 in. long, 6 in. deep, 7 in. wide....	5 50

Adjustable Window Brackets. \$3 per pr.

Cedar Plant Tub

Made of seasoned, selected Virginia white cedar, bound with electric welded wire hoops, and painted with the best oil paints—a handsome green color inside and out.



Size	Inside top diam.	Inside bot. diam.	Inside depth	Each
No. 5.	10 in.	7 1/2 in.	9 in.	\$2 25
No. 7.	12 in.	9 in.	11 in.	3 25
No. 9.	14 in.	11 in.	13 in.	4 50
No. 11.	16 in.	12 1/2 in.	15 in.	5 50
No. 13.	18 in.	14 1/2 in.	17 in.	7 85

Handles if desired, \$1.00 per tub, extra

Earthen Flower Pots



	Standard Pots	Each	Doz.
Inside diam.	2 1/2 in.	\$0 05	\$0 40
3 in.	06	50	
4 in.	08	70	
5 in.	15	1 25	
6 in.	20	1 85	
7 in.	30	3 00	
8 in.	40	3 90	
9 in.	55	5 80	
10 in.	80	8 00	
12 in.	1 50	16 00	

Flower-Pot Saucers

Inside diam.	Each	Doz.	Inside diam.	Each	Doz.
4 in....	\$0 08	\$0 70	8 in....	\$0 30	\$3 00
5 in....	10	95	9 in....	35	3 90
6 in....	15	1 45	10 in....	50	5 50
7 in....	25	2 10	12 in....	70	8 00

Azalea Pots

Inside diam.	Each	Doz.	100
6 in. x 4 3/4 in. deep....	\$0 20	\$1 85	\$13 85
7 in. x 5 1/4 in. deep....	30	3 00	23 00
8 in. x 5 3/4 in. deep....	40	3 90	31 00
9 in. x 6 1/4 in. deep....	55	5 80	46 50
10 in. x 6 3/4 in. deep....	80	8 00	64 00

Low Pans

Inside diam.	Each	Doz.	100
5 in. x 3 1/4 in. deep....	\$0 15	\$1 25	\$9 50
6 in. x 3 1/2 in. deep....	20	1 85	13 85
7 in. x 3 3/4 in. deep....	30	3 00	23 00
8 in. x 4 in. deep....	40	3 90	31 00

We do not accept orders for Earthen Flower Pots for shipment or delivery. Sold only at our store.

Neegards

An absolute necessity for those who do any work that requires kneeling on the ground or floor. Kneé cupped, adjustable straps, made of finest grade sponge rubber and designed for comfort and durability. \$2 per pr.

Dazy Flower Holders



Dazy Flower Holders meet the requirements for all flower arrangements. Well made and attractively finished. Ask for circular showing other sizes and styles.

No. 70.	1 1/2-in. diam.	\$0 40
No. 71.	2 1/8-in. diam.	95
No. 72.	2 3/4-in. diam.	1 35
No. 73.	3 1/2-in. diam.	1 95
No. 81.	1 7/8 in. x 3 1/2 in.	1 25
No. 90.	1 1/4 in. x 2 3/4 in.	95
No. 203.	Ivy Leaf. 2 3/4-in. base	1 25
No. 206.	Eucalyptus Leaf. 2 1/4 x 6-in. base	2 25
No. 222.	Interlocking Leaf. 2 1/4 x 5-in. base	2 25

Garden Club Flower-Holding Shear



AS CUT FROM BUSH

Cuts and holds stem with one clean cut. Bright nickel finish, stainless steel blade. No. 6156. \$2.75.

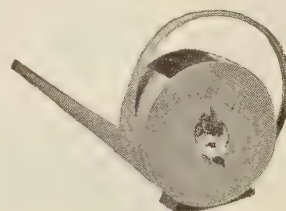


NEW!
DIFFERENT!

Train-etts

Ideal support for sweet peas, garden peas, pole beans, cucumbers, tomatoes, etc. Used instead of wire or string. Can be hung in a few minutes. Especially treated to last several seasons. 60 inches high by 15 feet long. \$1.25 each.

Decorative Watering Pots



A practical and attractive device for watering indoor plants. Also makes a suitable container for floral bouquets and plants. 1-qt. size, made of metal.....\$1 75
2-qt. size, made of metal.....2 00
1-qt. size, made of copper.....4 00
1-qt. size, made of brass.....4 00

Sieves or Riddles

Constructed from the best steel wire cloth, has wood sides and is well braced; 16 inches in diameter, 3 1/2 inches inside depth. Suitable for screening soil and also for cleaning grain.

No. 4. 1/4-in. mesh; No. 6. 3/16-in. mesh; No. 8. 1/8-in. mesh. \$1.60 each.

GARDEN HOSE



Bull Dog Garden Hose. Recommended for golf courses, cemeteries, parks, estates, and wherever a hose for hard usage is required. The highest grade of garden hose made. Has brown cover, $\frac{3}{4}$ -in. diam., 25-ft. length, \$12; 50-ft. length \$22.



Leader Garden Hose. A high-grade, sturdy yet flexible, four-ply wrapped Hose made for hard service. Has red cover. $\frac{5}{8}$ -in. diam., 25-ft. length, \$8.50; 50-ft. length, \$16.50. Coupled.



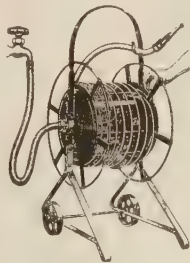
Vixen Garden Hose. An ideal Hose for the average home-garden or lawn. Heavy single-ply construction. From the standpoint of service it is fully equal to many of the lighter grades of two-ply Hose. $\frac{5}{8}$ -in. diam., 25-ft. length, \$4.95; 50-ft. length \$9. Coupled.

Veri-Lite Plastic Garden Hose. Manufactured to the highest standards of quality. Light and easy to handle, yet durable and long-lasting. Free-swiveling coupling; sunfast green, or red color. 25-ft. length, \$6; 50-ft. length, \$10.25.

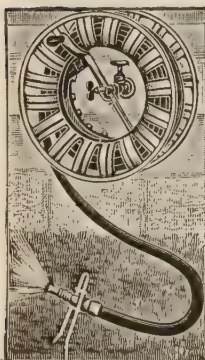
Boston Nozzle. Made of brass, quickly adjustable. \$1.25 each.

The Salem Real-Reel Hose Reel

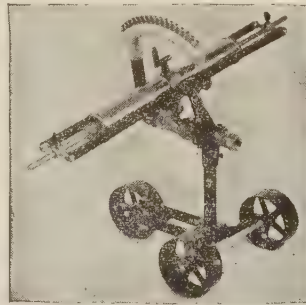
Permits use of whatever length of hose is desired without unreeling all of the hose to make connection to faucet. Increases life of hose, eliminates kinks and twists, convenient to use. All-metal construction. Holds 150 feet of $\frac{5}{8}$ -in. hose. \$14.95



Detachable Hose Reel



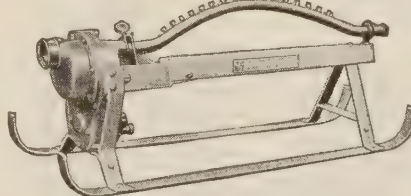
A most convenient and practical device. The axle of the Reel fits into a special faucet which is permanently attached to the water-pipe. The Reel revolves on the faucet, allowing the hose to be pulled out as desired. When the sprinkling is finished, the hose can be reeled up readily without any handling. Diameter, 20 inches; width, $8\frac{1}{2}$ inches; will hold 100 feet of $\frac{5}{8}$ -inch hose. Price, including faucet, \$7.25.



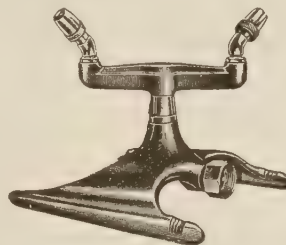
White Showers Rainbow Sprinkler

So designed that it sprinkles in a square instead of circle. The Rainbow has 17 nozzles, mounted on an oscillator and waters an area as large as 50 feet square, but it can quickly be adjusted for smaller areas and also for narrow strips and borders. Discharges 6 gallons per minute. Weight 25 lbs. \$45.

The Waterfan Lawn Sprinkler



A portable, oscillating lawn and garden Sprinkler. Operated by a turbine motor. Motor built of brass and phosphor bronze. Covers an area 40 by 50 feet. Works best on 30 to 35 pounds water pressure. Discharges 6 gallons per minute. No. 7. \$18.

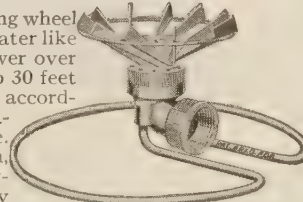


Parkside Lawn Sprinkler

Nozzles can be adjusted for a fine mist or coarse stream, and to cover a large circle or small area. Will operate on high or low pressure. No. 7003. \$5.25.

Holland Rotary Sprinkler

The whirling wheel distributes water like a gentle shower over an area up to 30 feet in diameter, according to the water pressure. Delivers even, uniform coverage. Only one moving part. Needs no oiling. \$1.50.



Ring Lawn Sprinkler. Throws a mist-like spray up to 30 feet in diameter. Made entirely of heavy brass. No. 7016. \$1.75.

Half-Circle Sprinkler. Same as Ring Lawn Sprinkler, but throws the water in a half-circle. No. 261. \$1.45.

Soil-Soaker



Made of porous canvas; screws to the water hose, replacing nozzle and sprinkler. The water seeps through the Soil-Soaker surface in drops and gently rolls to the ground without the slightest washing. No. 1. 18 ft. long, \$2.40. No. 2. 30 ft. long, \$3.70. No. 3. 50 ft. long, \$6.

Spike Disk Lawn and Green Cultivator



No. 8T

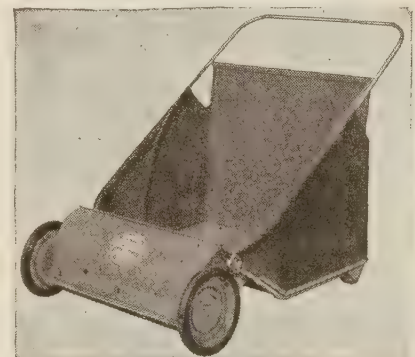
Their use provides aeration of the soil, and retention of moisture, a necessary requirement for good maintenance and improvement of turf. Possible to accomplish easily and at low cost with a Spike Disc Lawn and Green Cultivator.

No. 8T. 8 discs, 10 in. diam., rolling width 16 in. \$15.

No. 30. 19 discs, 10 in. diam., rolling width 18 in., 1 handle \$42.

No. 32. 19 discs, 10 in. diam., rolling width 18 in., 2 handles \$45.

Parker Lawn Sweepers



Collects leaves, grass clippings and other debris without harm to the growing grass.

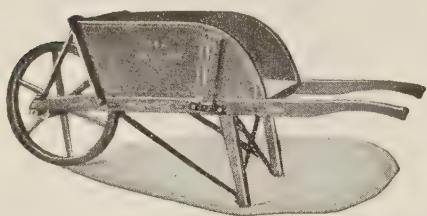
Yardgroom Model. Sweeping width 24 in.; collecting hopper $3\frac{1}{2}$ -bus. capacity. \$44.50.

Springfield Model. (Illustrated.) Sweeping width 28 in.; collecting hopper 5-bus. capacity. \$56.50.

Power Model. Powered by Briggs & Stratton gasoline engine. Has 10 x 3.50 pneumatic tires. 28-in. width, $\frac{3}{4}$ H.P. engine, \$189.

Circular on request,

Wheelbarrows



Buch's Garden Barrows

Made of thoroughly seasoned wood, firmly bolted together and iron braced.

No. 3. Body 26 in. long, 19 in. wide in front, 22 in. wide at back; sideboards 12 in. high. Priced with wood wheel \$26.40, with 16 x 4-in. pneumatic rubber-tired wheel, \$35.50.

No. 6B. Light Handy Garden Barrow. Body 26 in. long, 18 in. wide in front, 23½ in. wide at back. Weight 40 lbs. Price with steel wheel, \$15; with 14 x 2-in. semi-pneumatic rubber-tired wheel \$18.



Buch's Steel Tray Barrows

General-purpose Barrows adapted to cement or construction work, hauling coal, manure, etc.

No. 154. Capacity 4 cu. ft. Weight 70 lbs. With steel wheel, \$18.50; with 4.00 x 8-in. pneumatic rubber-tired wheel, \$28.25.

No. 155. Capacity 5 cu. ft. Weight 75 lbs. With steel wheel, \$21; with 16 x 4-in. pneumatic rubber-tired wheel, \$31.

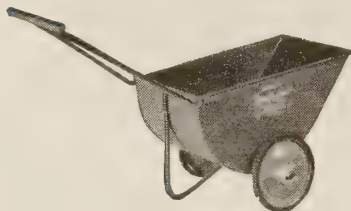
Buch's Steel Tray Garden Barrows

No. 20. Capacity 3 cu. ft. Weight 36 lbs. Hardware handles. With steel wheel, \$11.50; with 14 x 2-in. semi-pneumatic rubber-tired wheel, \$14. **No. 20D.** With tubular steel handles and 10 x 2.75-in. semi-pneumatic rubber-tired wheel, \$15.50.

Buch's Aluminum Tray Barrow

No. 455. Identical with No. 155, except tray is made of aluminum. With 16 x 4-in. pneumatic rubber-tired wheel, \$36.

Masters "Handi-Cart"



The "Handi-Cart" really takes the hard work out of every job of moving dirt, sand, gravel, leaves, grass cuttings, trash, etc. Simply tip it down and rake into it to load. Easily emptied by tipping forward. Built extra strong, yet light in weight.

No. 18S. Capacity 3 cu. ft. \$10 50

No. 20D. Capacity 3½ cu. ft. 15 25

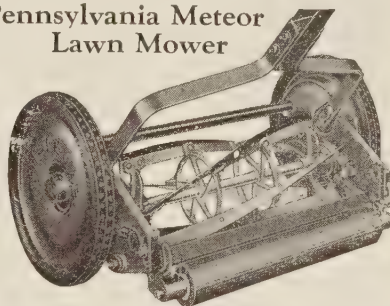
Pennsylvania Pennalawn Mower



A precision-built, quality Lawn Mower at a popular price. Has 5 crucible analysis steel blades, ball bearings, and 10-inch wheels with rubber tires. Height of cut adjustable from ¾ inch to 2 inches.

16-in. cut (weight 41 lbs.) \$22.85.

Pennsylvania Meteor Lawn Mower

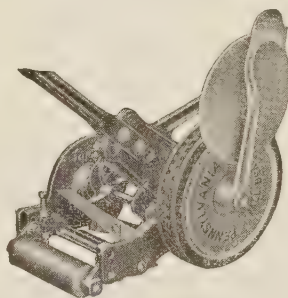


A lightweight, quiet, easy-running Lawn Mower. Aluminum construction; has ball bearings; fitted with oil cups for lubricating all bearings; adjustable for height of cut from ½ inch to 1¾ inches.

5-blade model. 16-in. cut (weight 36 lbs.) \$36.60, 19-in. cut, Sold out.

7-blade model. 16-in. cut (weight 37 lbs.) \$39.95.

Pennsylvania Lawn Trimmer and Edger



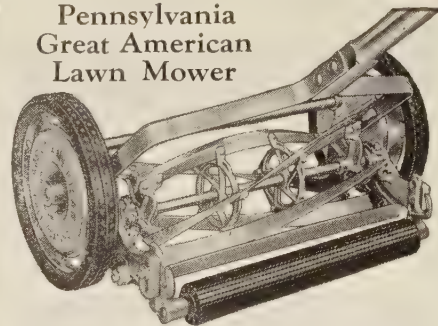
Trims the overhanging grass along the edges of walks, paths, flower beds, etc. Does a neat job and saves labor. Has steel disc and small plow for edging.

6-in. cut (weight 22 lbs.) \$24.75.

Grass Catcher

Has galvanized steel bottom and heavy canvas sides. Fits mowers from 12 in. to 18 in. wide. **No. 1220.** \$2.45.

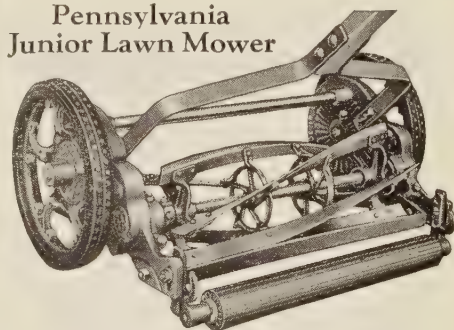
Pennsylvania Great American Lawn Mower



An easy-running, smooth-cutting, rugged Mower. A standby with gardeners and park superintendents. Has five extra-heavy, high-carbon hardened steel blades, ball bearings and 10-inch wheels with rubber tires.

15-in. cut (weight 43 lbs.) \$31.40; 17-in. cut (weight 46 lbs.) \$33.35; 19-in. cut (weight 49 lbs.) \$36.60.

Pennsylvania Junior Lawn Mower



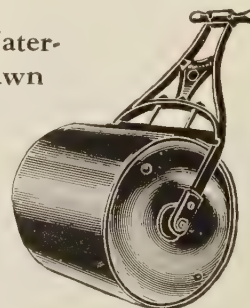
Precision built—strong and durable—will cut the thickest and toughest grass. The cylinder has 5 extra-wide, crucible analysis steel blades, driven by a train of 3 cut gears on both sides; dustproof gear case; steel axles; ball bearings on cutting reel. Height of cut adjustable from ¼ inch to 1½ inches. Has 10-inch wheels with rubber tires.

17-in. cut (weight 56 lbs.) \$42.15.

Perfect Lawn Mower Sharpener

Simple, practical, efficient. No need for removing the mower wheels. **No. 14** for mowers 12 to 15 inches wide, **No. 16** for mowers 16 inches in width and wider. Either size, \$1 each.

Dunham Water-Weight Lawn Roller



Built for long service; easy to operate; has hollow, watertight steel drum with rounded edges, bayonet type drum plug and adjustable scraper. Not furnished with arched brace as shown in cut.

	Diam.	Width	Weight empty	Weight filled with water	Price
No. 2.	14 in.	24 in.	55 lbs.	165 lbs.	\$17 50
No. 4.	18 in.	24 in.	70 lbs.	230 lbs.	20 50
No. 7.	24 in.	24 in.	100 lbs.	400 lbs.	27 50

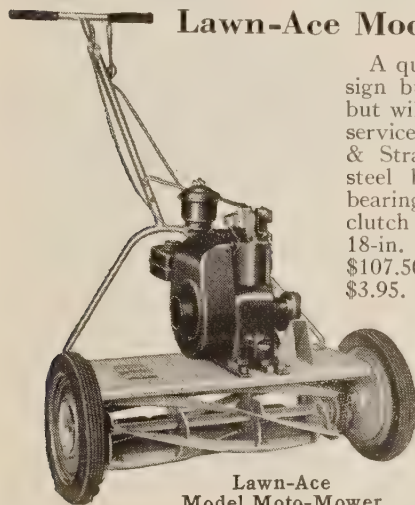
MOTO-MOWER Power Lawn Mowers

The Moto-Mower has been recognized as the leader in the field of Power Lawn Mowers for many years. It is designed and built to give satisfactory service and is used and recommended by careful buyers everywhere.

Moto-Mowers are "streamlined" for performance as well as appearance but not to the detriment of efficient operation. With over 30 years' experience selling Moto-Mowers we enthusiastically recommend them.

Lawn-Ace Model Moto-Mower

A quality Mower of good design built to sell at a low price but will give years of satisfactory service. It has a 8/10 H.P. Briggs & Stratton engine, 5 crucible steel blade reel with Timken bearings, simplified belt tightener clutch and semi-pneumatic tires. 18-in. cut. Weight 115 lbs. \$107.50. Grass Catcher, extra \$3.95.



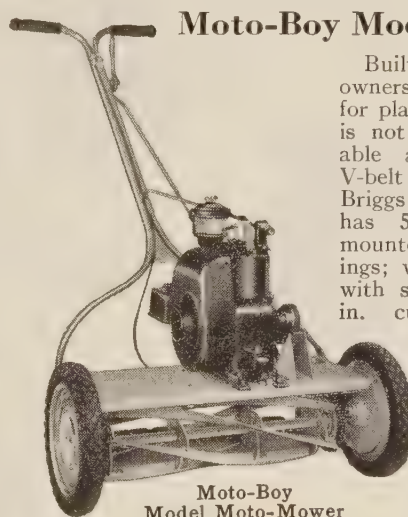
Lawn-Ace
Model Moto-Mower

Power Cut Model (Not illustrated.)

Has 8/10 H.P. engine. 17½-in. cut. Weight 87 lbs. \$93.

Moto-Boy Model Moto-Mower

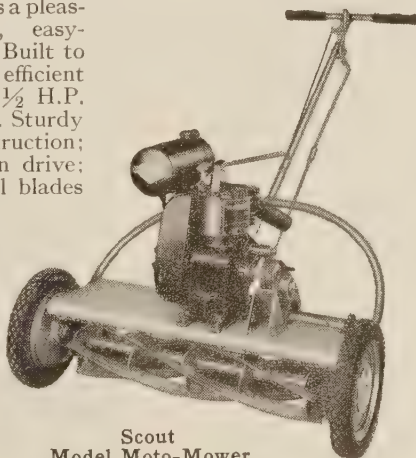
Built especially for homeowners with average lawns and for places where a larger Mower is not required. Sturdy malleable and steel construction; V-belt and chain drive; 1.2 H.P. Briggs & Stratton engine; reel has 5 crucible steel blades mounted on Timken roller bearings; wheels on roller bearings with semi-pneumatic tires. 20-in. cut. Weight 108 lbs. \$127.50. Grass Catcher, extra \$4.50.



Moto-Boy
Model Moto-Mower

Scout Model Moto-Mower

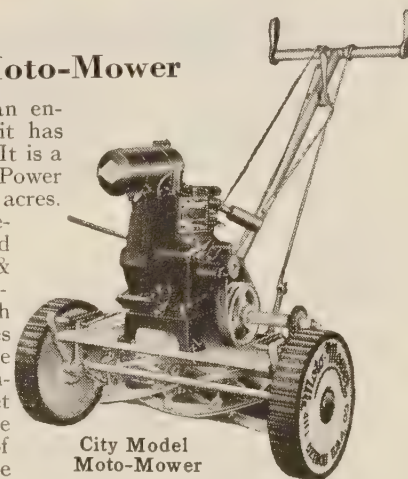
Lawn-mowing becomes a pleasure with the smooth, easy-operating Scout Model. Built to give many years of efficient service. Powered with 1½ H.P. Briggs & Stratton engine. Sturdy malleable and steel construction; double V-belt and chain drive; reel has 5 crucible steel blades mounted on Timken roller bearings; tubular steel handles; wheels fitted with roller-bearings and heavy semi-pneumatic tires. Furnished with recoil pull starter. 22-in. cut. Weight 120 lbs. \$149.95. Grass Catcher, extra \$5.



Scout
Model Moto-Mower

City Model Moto-Mower

A great Mower with an enviable reputation which it has enjoyed for many years. It is a heavy-duty type of Power Mower for lawns of 2 to 3 acres. Possesses "twist-of-the-wrist" guiding. Powered with 1½ H.P. Briggs & Stratton engine. Automatic speed control, which the City Model possesses in common with all the other Moto-Mowers, enables the operator to set the engine at any speed he desires, and, by means of an automatic governor, the machine will run at that speed through all grades and thicknesses of grass. 22-in. cut. Weight 200 lbs. \$230.

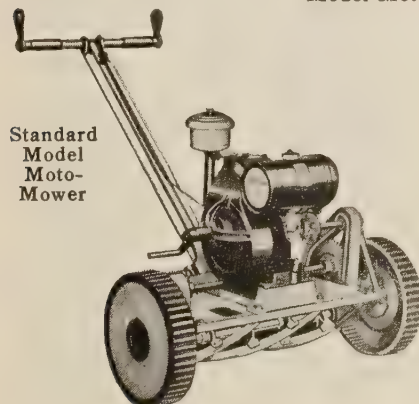


City Model
Moto-Mower

Standard Model Moto-Mower

Every inch a Moto-Mower, which means rugged construction, ample power, ease of operation, and "twist-of-the-wrist" guiding. Particularly well adapted for cemetery use and will give a good account of itself on any lawn. Cutting capacity, 4 to 5 acres per day.

Powered with a 2¼ H.P. Briggs & Stratton engine. Width of cut 24 inches. Weight 320 lbs. Furnished with pressed steel wheels and slip-on rubber tires. \$320.



Standard
Model
Moto-Mower

The Super-Detroit Moto-Mower

The Super-Detroit Moto-Mower, though big and powerful, is as responsive to the touch as a light hand mower, because of "twist-of-the-wrist" guiding and selective automatic speed control. Has 3 H.P. Briggs & Stratton engine, 6 extra heavy crucible steel blades, self-adjusting Timken bearings and 15-inch diameter metal wheels fitted with slip-on rubber tires. Cutting capacity 6 to 7 acres a day. 30-in. cut. Weight 360 lbs. \$425.

We carry complete repair stocks for all of these Mowers, and operate a service department.

HAND SPRAYERS

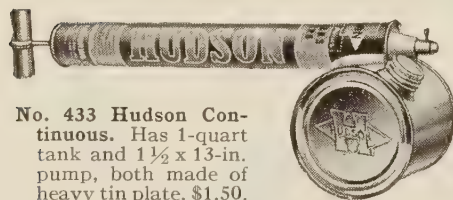


No. 436 Hudson Cardinal Continuous. Used principally for spraying disinfectants and fly sprays in live-stock quarters,

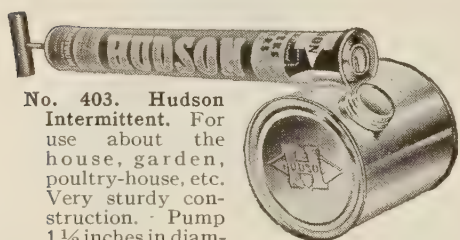
public buildings, etc. Nozzle adjustable for both space and surface spraying. Has $2\frac{3}{4}$ -quart galvanized tank. \$2.30.



No. 428 Hudson Continuous. Has 24-oz. glass jar which is easily detachable; large opening in jar permits easy filling. \$1.90.



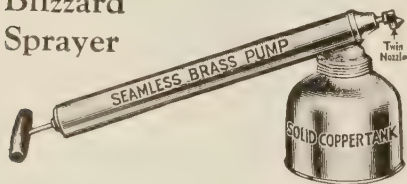
No. 433 Hudson Continuous. Has 1-quart tank and $1\frac{1}{2} \times 13$ -in. pump, both made of heavy tin plate. \$1.50.



No. 403. Hudson Intermittent. For use about the house, garden, poultry-house, etc. Very sturdy construction. Pump $1\frac{1}{2}$ inches in diameter. Capacity 1 quart. 70 cts.

No. 222 Hudson. Household Sprayer. Capacity 1 pint. 45 cts.

Blizzard Sprayer



An efficient, continuous Sprayer for all water-soluble insecticides, disinfectants, etc. Tank has large opening, making it easy to clean and fill. Twin nozzle for straight or angle spray as desired. No. 14P. 1-pint tank, \$3.40. No. 14Q. 1-quart tank, \$4.85.



The Myers Compressed-Air Sprayer

The Myers Compressed-Air Sprayer meets all demands for this style of Sprayer. It is substantially built and is a quality Sprayer in every respect. Has $1\frac{3}{4}$ -inch brass tube air pump. Equipped with 24-inch length of hose, 18-inch pipe extension and brass nozzle, adjustable from 45° to 180° .

The concave top forms an 8-inch funnel which permits easy filling. The removable discharge tube and hose connection permit thorough drainage and cleaning of the tank.

No. 2240. $2\frac{1}{2}$ -gal. Galvanized Tank. \$13.25
No. 2240B. $2\frac{1}{2}$ -gal. Brass Tank. 19.90
No. 2242. 4-gal. Galvanized Tank. 14.45
No. 2242B. 4-gal. Brass Tank. 21.00

Dobbins Big-head Sprayer



All of the latest improvements in Sprayer construction and design are built into this Sprayer. The tank opening is $4\frac{3}{4}$ inches in diameter, which permits easy filling and cleaning. The pump is made of seamless brass tubing, $1\frac{3}{4}$ inches in diameter, $15\frac{1}{4}$ inches long, with patented air-valve. Has double grip handle so that both hands

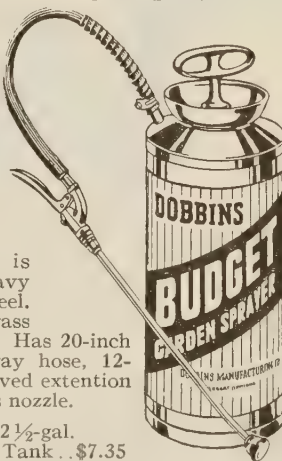
can be used for pumping. Furnished with 36-inch length of hose, 24-inch brass extension, and brass nozzle, adjustable from 45° to 180° .

No. 44G. 4-gal. Galvanized Tank. . . \$14.00
No. 44S. 4-gal. Stainless Steel Tank. 24.40

Dobbins Budget Sprayer

A good quality Sprayer throughout and designed to meet the demand for a Sprayer at a favorable price. Equipped with Fun-L-Fill for convenience in filling. Tank is made of heavy galvanized steel. Seamless brass tubing pump. Has 20-inch length of spray hose, 12-inch brass curved extension rod, and brass nozzle.

No. 26G. $2\frac{1}{2}$ -gal. Galvanized Tank. \$7.35



Dobbins Deluxe Garden Sprayer

An attractive, handy, light-weight compressed-air Sprayer for every spraying job around the home. Has 2-gallon galvanized steel tank, seamless brass pump and 36-inch length of hose, 12-inch curved brass extension and brass fog nozzle with 2,4-D disc. No. 8. \$11.70.

Myers Knapsack Sprayer



Designed for use in truck gardens and home orchards. Has $1\frac{1}{2}$ -in. plunger type all-brass pump, brass ball valves, jet agitator and large brass air chamber. The tank is galvanized and has a capacity of 4 gallons. Fitted with 18-in. brass pipe extension and nozzle. Nozzle adjustable from finest fog spray to solid long-distance spray.

No. 1330A. \$32.50.

Jim Dandy Cart Sprayer

A big, strong, compressed-air Sprayer securely mounted on a cart for easy portability. Designed for all spraying jobs in the garden, livestock quarters, greenhouse or any other

place where a compressed-air sprayer meets the requirements. Particularly useful for spraying weed killers on lawns. Has heavy, seamless brass pump. Furnished complete as shown in illustration. \$36.50.

Smith

Spray Boom

Made of brass and equipped with three weed spray nozzles. Has 30-inch span. Suitable for spraying 2, 4-D weed killer on lawns. Can be used with any compressed-air, wheelbarrow, or small power sprayer \$6.40.



Wheelbarrow Sprayers

These outfits are adapted for spraying small orchards, truck gardens, vineyards, greenhouses, and for whitewashing and disinfecting poultry-houses, dairy barns, hog pens, kennels, and other farm buildings. They will handle all agricultural insecticides, disinfectants, whitewash and cold-water paints without clogging.

The Myers Portable Sprayer



Has 12½-gallon tank made of heavy galvanized iron, reinforced at top and bottom by steel bands and hung in the frame on trunnions. The wheel and handles are made of wrought steel thoroughly braced. The pump is fitted with cog gear handle, dasher and jet agitators and is securely attached to the tank. Outfit is strong and substantially built throughout and will give many years of satisfactory service. Equipped with 15 feet of ¾-inch hose, 8-foot iron pipe extension, and Vermorel nozzle. Nozzle can be graduated from a fine mist up to a solid spray. No. 336½ B. \$47.65.

Dobbins Wheelbarrow Sprayers

No. 3171R



No. 3171R. 12-gal. heavy galvanized tank, fitted with 6 feet of ¾-in. spray hose, shut-off and 2-foot brass extension rod with Vermorel nozzle and pressure tank with gauge as shown in illustration. Equipped with 16-in. by 1¼-in. semi-pneumatic-tired wheel. \$47.20.

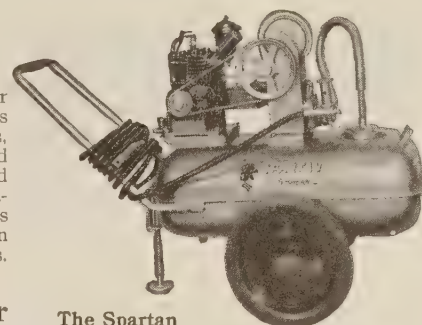
No. 3170. 12-gal. heavy galvanized tank, fitted with 6 feet of ¾-in. spray hose, shut-off and 2-foot brass extension rod with Vermorel nozzle. Has 16-in. by 2-in. steel wheel. Not equipped with pressure tank. \$29.20.

No. 3191. 18-gal. heavy galvanized tank, fitted with 8 feet of ¾-in. spray hose, shut-off and 6-foot ¼-in. iron pipe extension with brass spray head with extra discs for fine and coarse sprays or solid stream. Heavy seamless brass tubing pump, 1¼ in. diameter by 6 in. long, designed to maintain a continuous pressure of 200 pounds. Equipped with large 12-in. in diameter by 18 in.-long pressure tank made of boiler steel with welded joints. Has 16-in. by 4-in. pneumatic tire. \$78.

POWER SPRAYERS

The John Bean Spartan

A substantially built portable power sprayer suitable for small farms, estates, dairies, nurseries and greenhouses. Will handle all insecticides, fungicides, disinfectants and weed killers. Powered with 1-H.P. Briggs & Stratton engine and furnished with 25 feet of ¾-inch hose and spray gun. Capacity of pump, 3 gallons per minute at 250 pounds pressure. Has 15-gallon steel tank mounted on 14 x 2 in. rubber-tired wheels. Weight 118 pounds. \$215.



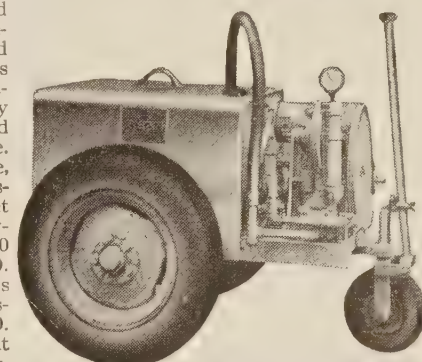
The Spartan

The John Bean Farm Protector

A ruggedly built, easy-to-handle outfit, designed expressly for the many spraying jobs around estates, small orchards, gardens and farms. Practical for spraying livestock quarters, poultry and dairy buildings and suited to do dozens of jobs that will save time, labor and expense. The portability of the Farm Protector makes it particularly useful for applying any of the 2,4-D lawn weed killers. Simple and economical to operate. Powered with 1¼-H.P. Briggs & Stratton engine, has 50-gallon all-steel, leakproof, corrosion-resistant tank and pneumatic tires. Fitted with 25 feet of ½-in. high-pressure spray hose and Bean Spray-master gun. Capacity 4 gallons per minute at 400 pounds pressure. Weight 475 lbs. No. 4-E. \$567.50.

No. 4-A. Same outfit mounted on wood skids instead of pneumatic-tired chassis. Can be transported in a small truck. Weight 350 lbs. \$461.50.

No. 4-T. Same as outfit No. 4-E except that it is equipped with tow hitch for attaching to drawbar of a truck or tractor in place of front castor wheel and handle. \$560.



No. 4-E

Dobbins Eveready Power Sprayer

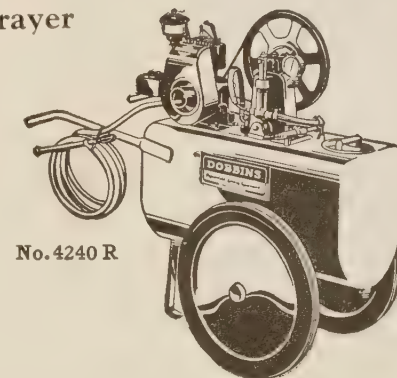
A portable lightweight spray outfit capable of handling all spray jobs for the individual owner, landscape gardener or small grower. Outside width 18½ inches; permitting easy access in narrow aisles. Has brass pump with hardened stainless steel valves with capacity of 1½ gallons per minute at 250 pounds pressure. 25-gallon steel tank. Furnished with 12½ ft. of ¾-in. hose and adjustable spray gun. Has steel disc wheels with 2½ x 20-in. semi-pneumatic tires.

No. 4240R. With 1 H.P. gasoline engine. \$223.50.

No. 4240ER. With ½ H.P. electric motor. \$231.50.

No. 4244. With 25-gallon tank, 1 H.P. gasoline engine, on skids. \$196.

No. 4254. With 50-gallon tank, 1 H.P. gasoline engine, on skids. \$207.50.



No. 4240 R

Dobbins Estate Sprayer

A new, up-to-date, lightweight Sprayer designed for country estates, small orchards, landscape gardeners and golf-courses. It has ample capacity and pressure for the economical application of all spray solutions. The tank is made of steel, is rust-proofed on inside and has a capacity of 50 gallons. The outfit is modern in every respect and is well made throughout of the best materials.

Has brass pump with capacity of 3 gallons per minute at 300 lbs. pressure. Powered with 1¼ H.P. Briggs & Stratton engine. Furnished with 25 ft. ½-in. spray hose and gun and mounted on 5.50 x 16 in. pneumatic-tired wheels. Weight 350 pounds. No. 3260R. \$340.

Trailer Hitch. Easily attached and makes the sprayer a portable outfit that can be towed anywhere. Complete with ball and socket hitch. No. 3268. \$24.

Special circular on request.

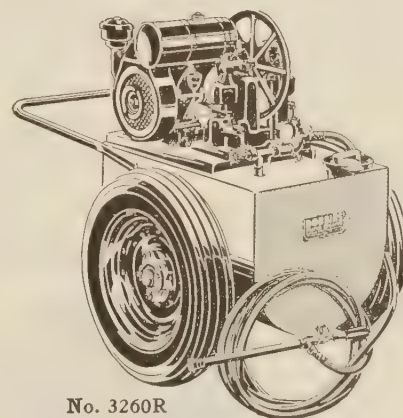
Spray Hose

Made especially for spraying purposes. Furnished in any length desired.

Vigo. Single-braid construction. Will stand 100 pounds working pressure. ¾-in. diam., 25 cts. per ft.; 25 ft. or more, 20 cts. per ft.

Tower. Three-braid construction. Will stand 275 pounds working pressure. ¾-in. diam., 47 cts. per ft.

Orchard. Best-quality, 3-braid construction. Will stand 800 pounds working pressure. ½-in. diam., 62 cts. per ft.



No. 3260R

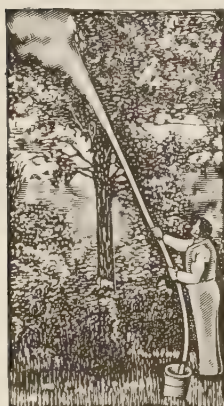


Attaches to the garden hose in place of the regular nozzle. Cartridges are placed in the cartridge chamber and as the water passes through the chamber under pressure the cartridge is dissolved in the correct solution and forced out through the nozzle. Nozzle adjustable from a fine mist to a straight stream.

Arnold Sprayer. (Chrome plated.)
Without Cartridges.....\$6.50

36-inch Straight Extension. For spraying tall shrubbery, etc. Each.. 2.25

Cartridges: P-R (Pyrethrum-Rotene), DDT, Arsen-O-Spray, Funguspray, Nic-O-Spray, and Sulph-O-Spray 45 cts. each; 1 doz. (any selection) \$4.80.



Smith's Spray Pump *An Efficient and Inexpensive Sprayer for Tall Trees*

A very simple and powerful Sprayer. Ideal for spraying liquid insecticides of all kinds.

Will produce sprays of varying fineness—from a mist to a straight stream that will reach the top of

the tallest orchard tree from the ground.

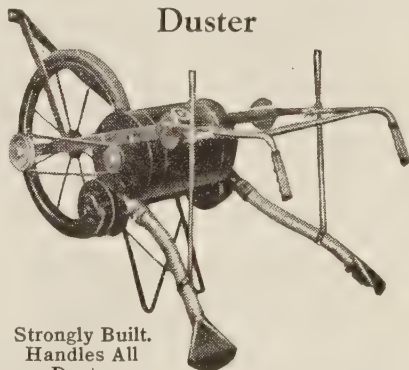
The Spray Pump is made entirely of brass. Equipped with adjustable brass nozzle, instantly adjusted for fog mist spray or long-distance spray. Used with any pail or bucket. **No. 45S.** \$8.50.

SMITH'S PESTMASTER SPRAYER Garden and Tree Sprayer



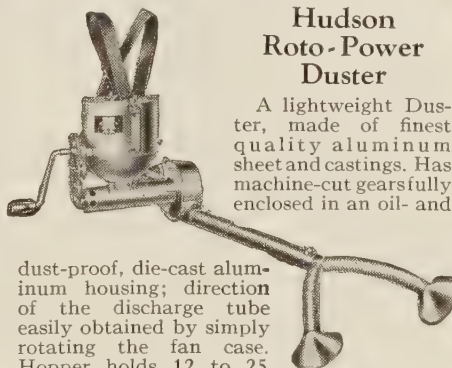
A durable and efficient Sprayer that will spray all kinds of insecticides in the home-garden. Nozzle adjustable from a fine mist to straight stream that will reach up to 30 feet. Light in weight and easy to operate. Makes an excellent Sprayer for spraying trees and shrubbery, disinfectants in poultryhouses and kennels, fly sprays in barns, weed killers in lawns and driveways and has many other uses. Has 1-gallon steel tank, double-action brass pump, adjustable brass nozzle and 18-in. curved brass extension. \$9.95.

Root Wheelbarrow Traction Duster



**Strongly Built.
Handles All
Dusts.**

Designed especially for small-acreage truck-crop operations. Commercial growers particularly will appreciate this Duster because of its high speed performance, adaptability to all row crops, and top efficiency with expensive dusting materials. Built of high-quality materials throughout and will give many years of trouble-free operation. Has two fan cases, each independently driven by belt. The two-nozzle-to-row coverage can be quickly changed to single-nozzle application to each row. Can be thrown out of gear by removing cotter pin in the wheel hub and the main shaft. Hopper capacity, 15 to 25 pounds. Feed adjustment from almost nothing to 25 to 30 pounds per acre. Furnished with pneumatic-tired wheel. Weight 58 pounds. **No. T44.** \$48.50.



Hudson Roto-Power Duster

A lightweight Duster, made of finest quality aluminum sheet and castings. Has machine-cut gears fully enclosed in an oil- and

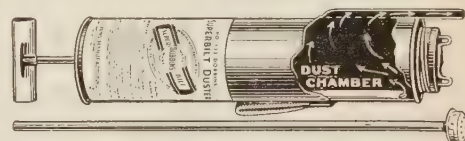
dust-proof, die-cast aluminum housing; direction of the discharge tube easily obtained by simply rotating the fan case. Hopper holds 12 to 25 pounds of dust, depending on the density of the dust being used. Every possible feature that could contribute to easier, faster and better dusting has been built into this Duster. **No. 806.** \$39.60.

Hand Dusters



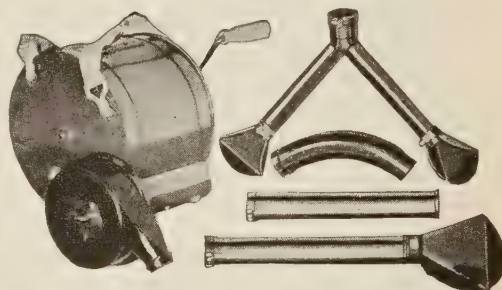
No. P1 Root. A very efficient and durable Duster for the flower and vegetable garden. Has large powder chamber and adjustable nozzle which permits dusting underside of foliage. Length, 20 inches. \$2.25.

No. P2 Root. Similar to No. P1 shown above except has much greater capacity. Both Dusters are made of steel which insures long life. Length, 32½ inches. \$3.50.



No. 132. Dobbins. Handles all kinds of dry dust very efficiently. It is used in the home-garden, on truck-plots, around poultry-houses, etc. Furnished with 24-inch extension tube and two-way dust cap for dusting over and under leaves. Capacity, 1 pound. \$2.10.

The Root Hand Gun

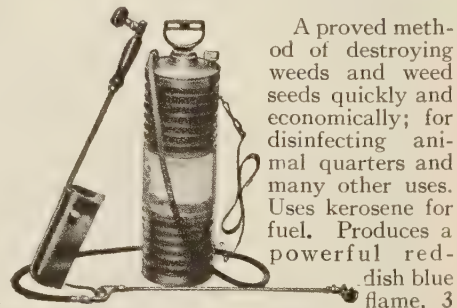


The ideal Dust Gun for applying all kinds of agricultural dusts where the acreage is not large enough to justify the use of traction or power dusters. It has a powerful fan-blast which thoroughly breaks up the dust and distributes it evenly and uniformly. Can be operated with discharge tube in front or to the rear of the operator. The hopper has a capacity of 7 to 10 pounds of material.

No. C3. As illustrated, \$33.50.

No. C3B. Without "Y" attachment, \$31.50.

Aeroil Weed Burner



A proved method of destroying weeds and weed seeds quickly and economically; for disinfecting animal quarters and many other uses. Uses kerosene for fuel. Produces a powerful red-

dish blue flame, 3 inches in diameter, 30 inches long, of intense heat (2000°F.). Size of flame easily controlled by a regulating valve. Average oil-consumption 1 gallon per hour. Well constructed, light, compact, portable.

No. 99. 4-gal. extra-heavy Galvanized Steel Tank, 2-inch Brass Pump; Pressure Gauge; 7-ft. High-test Hose. \$22.

No. 99BS. Outfit No. 99 with spray attachment, as illustrated. \$25.50.

Tilley Ladders

They are the most convenient orchard ladders ever produced for trimming trees and picking fruit. Made light and strong. The best that can be produced.

Single Ladders

Open Top	
12-ft....	\$10.00
16-ft....	13.00
18-ft....	15.85
20-ft....	\$17.50
22-ft....	19.00
24-ft....	23.50

Pointed Top

15-ft....	\$13.50
17-ft....	15.00
19-ft....	18.00
21-ft....	\$19.50
25-ft....	26.00
27-ft....	28.00

Point included in above measurement.

Extension Ladders

28-ft., extends to 25 feet ..	\$27.00
32-ft., extends to 29 feet ..	30.00
36-ft., extends to 33 feet ..	36.00
40-ft., extends to 37 feet ..	40.00

Omega Tripod Step-Ladder

Particularly adapted for fruit-picking and for use on uneven ground. Light, strong, rigid, broad-based. Easy to stand on; easy to move; folds up snugly.

6-step.....	\$8.35
10-step.....	\$13.25
8-step.....	10.75
12-step.....	15.50

Wenatchee Fruit-Picking Bag



Saves Fruit and Labor

Endless steel frame shaped to fit body comfortably and keeps bag open. Adjusts to ½-bushel capacity for picking tender fruits; open to full bushel size when needed. Empties from bottom with "E-Z Off" snap. Has wide adjustable web suspenders; leather reinforced where the wear comes. No. 7. \$3.90.

Pennsylvania Fruit-Picker



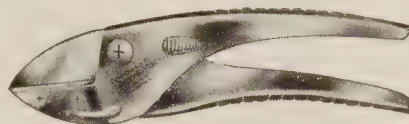
Made of heavy galvanized wire, and easily attached to a pole. It will gather apples, pears, peaches, and all similar fruits. 85 cts. each, postage 10 cts. extra.



Tiffany Grafting Tool

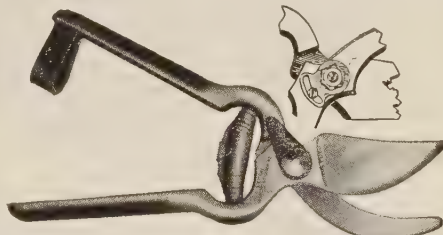
Forged from one piece of fine crucible steel. It makes clean splits and does not tear the bark or split the stub too far. Length 8 inches. \$1.25, postpaid.

Pruning Tools



Snap-Cut Pruner

- No. 419. 8-inch. Aluminum alloy construction. \$2.75
No. 118. 6-inch. All-steel construction.. 2.10



Seymour Smith Professional Pruner

Finest one-piece drop-forged steel. Keen, powerful, positive slicing action. Honed edges.

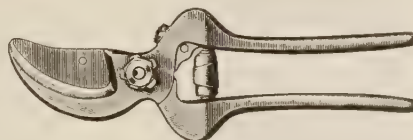
- No. 124. 8-inch \$3.75
No. 125. 9-inch 4.25



Seymour Smith California Pattern

Polished, ground and tempered cutlery steel blades riveted to malleable iron handles.

- No. 240. 9-inch \$2.25



Porter Twin-Cut No. 9

Blades drop-forged steel, heat-treated and polished. Cuts close and clean. Thumb-operated locking device. Designed for the professional. Weight 12 ounces. 8¾-inch, \$6.75.



Porter HKP. Pointcut Pruner

The blades are so designed that suckers are cut on the point with minimum handle opening and limbs up to 1¼ inches in diameter with full handle opening.

- No. 120P. 20-in. handle..... \$8.40
No. 124P. 24-in. handle..... 8.70

Porter HKP. Forester

Patented slide shift gives amazing multiplication of cutting pressure. No strain on tool or operator. Has two sharp cutting blades.

- No. 2FO. Cuts 1½-in. green wood. 27-in.. \$9.40
No. 3FO. Cuts 2-in. green wood. 34-in.. 11.20

Clyde Tree Trimmer

Blade and hook are made from the best tool steel, firmly riveted to selected basswood handle. The blade is held open by means of a coil spring from the lever handle to the pole. A well-made Trimmer at a low price. No. 5407.

- 8-ft. Trimmer..... \$4.25
10-ft. Trimmer..... 4.75
12-ft. Trimmer..... 5.25
14-ft. Trimmer..... 6.00
16-ft. Trimmer..... 6.75



No. 1-RJ

Bartlett Tree Trimmers

Built for heavy work and will cut a limb up to 1¼ inches in diameter. Rod connects the knife lever along one side of the pole to the handle lever on the opposite side, which allows the rod to cross the pole and results in half of the strain on each side of the pole, giving about double strength. Furnished in two styles: solid pole and jointed pole.

- No. 1-R. 8 ft., solid pole..... \$11.50
No. 1-R. 10 ft., solid pole..... 12.00
No. 1-R. 12 ft., solid pole..... 12.75
No. 1-R. 14 ft., solid pole..... 13.25
No. 1-RJ. 8 ft., 2 sections..... 15.00
No. 1-RJ. 12 ft., 3 sections..... 19.50
No. 1-RJ. 16 ft., 4 sections..... 24.50

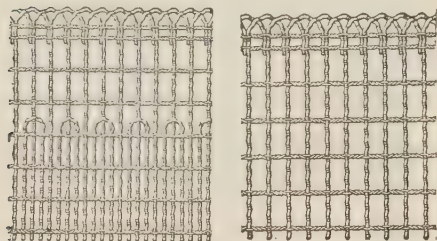
Tiffany "Hammer-Forged" Pruner



Forged from special steel and tempered to stand the strain and hold a keen edge. Put together with a heavy rivet under tremendous pressure, no nuts to work loose. Cuts 1½-inch limbs with ease. Has steel handles.

- 24-in. Pruner..... \$4.50
28-in. Pruner..... 4.75

Cyclone Lawn Fence



Style "F"

Style "L"

STYLE "F." The most popular lawn fence for front yards, back yards or division fence. Pickets are of No. 9 heavy galvanized wire spaced 3 inches apart at top, 1½ inches apart at the bottom. Cables spaced 6 inches apart, except the two top cables, which are spaced 2½ inches apart.

STYLE "L." A moderately priced Fence. Specially adapted for back yards and division fencing. Pickets of No. 9 heavily galvanized wire are spaced 3 inches apart. Cables are of heavily galvanized wire spaced 6 inches apart, except the two top cables, which are spaced 2½ inches apart.

STYLE "F"

	Cut lengths per lineal ft.	150-ft. rolls per roll
36 in. high.....	\$0.34	\$41.00
42 in. high.....	.38	46.00
48 in. high.....	.43	52.00

STYLE "L"

36 in. high.....	.25	29.50
42 in. high.....	.28	33.50
48 in. high.....	.32	37.50

Cyclone Flower-Bed Border

Extensively used for paths and walks. Easily installed and will conform to any size or shape of flower-bed.

Height 22 inches. Roll, 150 feet, \$21. Cut lengths, 18 cts. per lineal foot.

Cyclone Walk Gates

A handsome and practical Gate for all home purposes. The frame is heavy tubular steel, 1½-inch diameter, and covered with Style "F" Fabric. Gates are made for 3-foot openings, which means distance between posts with proper allowance for hinges and latch. **Prices:** 36 in. high, \$7.65; 42 in. high, \$8.25; 48 in. high, \$8.65. Prices include fixtures for wood posts. Fixtures for tubular steel posts, \$2 extra. If steel-post fixtures are wanted, give outside diameter of posts.

Square Deal

Poultry and Garden Fence

A very satisfactory fencing for poultry yards and gardens. It will keep in the smallest chicks; also keep out small animals. The first five line wires at the bottom are only 1 inch apart. The top and bottom wires are No. 11 gauge with No. 14½ gauge filler wires. Stay wires are 6 inches apart.

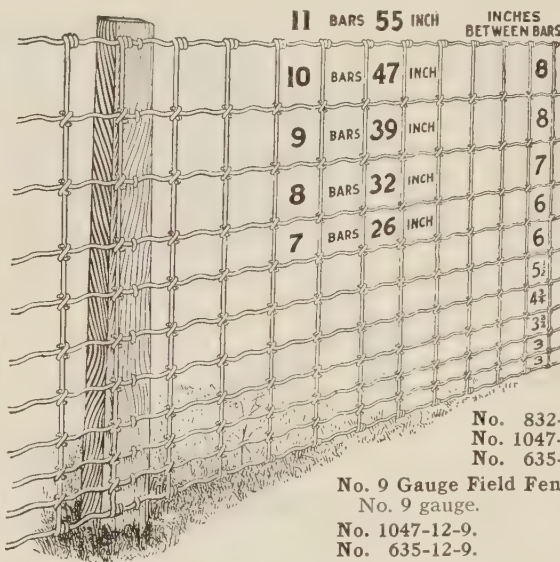
Price per 165-ft. roll.

No. 2048. 48 in. high, 20 line wires	\$11.50
No. 2360. 60 in. high, 23 line wires	13.30

Studded "T" Steel Fence Posts

Painted green. Furnished with wire clamps to attach fence wire to posts.

5 foot, each \$0.80	7 foot, each \$1.03
6 foot, each .91	8 foot, each 1.15
50 or more posts, 5% discount	



Square Deal Red Brand Farm Fence

Made of best-grade galvanized wire. The horizontal wires and stay wires are held together with the "Square Deal" knot which absolutely prevents slipping but allows the flexibility necessary to fit hills and hollows without buckling.

No. 11 Gauge Field Fence. Top and bottom wires No. 9 gauge, filler wires No. 11 gauge.

	Height	Bars	Stays	Per 20 rd. roll
No. 832-6-11.	32 in.	8	6 in.	\$20.60
No. 1047-12-11.	47 in.	10	12 in.	19.80
No. 635-12-11.	35 in.	6	12 in.	13.30

No. 9 Gauge Field Fence. All wires, including filler wires, No. 9 gauge.

No. 1047-12-9.	47 in.	10	12 in.	28.00
No. 635-12-9.	35 in.	6	12 in.	17.80

The No. 635 Fence is spaced 6, 6, 7, 8, and 8 inches between bars.

Rowe White Picket Fence

Beautiful, well-made fencing for yards, gardens and flower beds. Pickets are pointed, painted snow white, surfaced 4 sides and woven between double wire cables. Easily erected.

No. 118. Border fence for flower beds. Pickets 18 in., 16½ in. and 15 in. high. 25-ft. roll \$5.65.

No. 109. Garden Fence for yards and gardens. Pickets 42 in., 39 in., and 36 in. high. 50-ft. roll \$21.60.

No. 142. Gate. Channel steel frame, covered with No. 109 fence. Height 42 in., width 36 in., each \$9.



No. 118

Prime Electric Fence Controllers

Model No. 486

For use with 110-120 volt 60 cycle AC

Multiple Signal Light System gives a constant, accurate reading of fence condition and tells the user whether or not controller is being properly used. Shock Control Switch enables user to select proper shock output for all conditions. Delivers true alternating current (most effective type) to the fence. \$44.50.

Model No. 48

A low-priced, highline controller with same effective alternating current shock as Model 486. \$24.95.



Model No. 486

Model No. 2C1 For use with 110-120 volt 60 cycle AC

A "Double Circuit" controller designed especially for two wire fences. Particularly effective for small, hard-to-hold animals such as hogs, sheep, goats and calves and for extremely dry or rocky soil. Each circuit is completely independent—a short on one does not affect the other. Doubly strong shock between the two wires regardless of ground conditions. \$47.50.

Above models approved for safety by Underwriters' Laboratories.

Model No. 333 For use with 6-volt battery

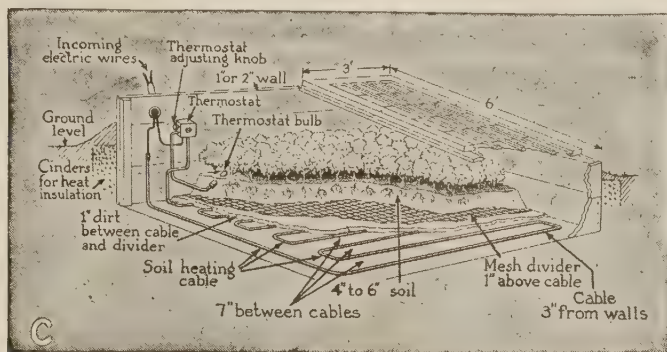
Portable, Weatherproof, Convenient, Economical

Can be installed anywhere, indoors or out. Ideal for temporary fences, hogging down corn, strip and contour fencing, etc. Weather-proof cabinet has plenty of space for hot-short battery. Has shock control switch for NORMAL and DRY weather. 3½-foot high-tension lead-out cord reaches from controller to fence wire without additional splice or connection. Cover is removable for easy access to battery and shock control switch. \$28.95.

Accessories

- P 1. Standard Post Insulators, 3¼ cts. each.
 - P 23. End and Corner Post Insulators, 7 cts. each.
 - P 36. Heavy Duty End and Corner Post Insulators, 13 cts. each.
 - P 19. Spring Tie Clips, to fasten fence wire to insulator, bundle of 100, 50 cts.
 - P 15. Looped wire for unpunched steel posts, bundle of 100, 75 cts.
 - P 500. Gate Handle, 35 cts. each.
 - P 501. Gate Spring, 12 cts. each.
- Crown Copper Electric Fence Re-use.** Copper-covered steel wire, No. 18 gauge. Easy to put up and easy to take down and re-use. Spool (160 rods) \$8.95

General Electric Heating Cable



Illustrates how it is installed in hotbed

Successfully used to heat soil in hotbeds and to prevent exposed pipes from freezing. Outfit consists of lead-covered cable and thermostat.

Cable. Lead-covered with both ends assembled in an attachment plug. Comes in 2 lengths, 30 ft. and 60 ft. 30 ft. Cable rated at 180 watts, 60 ft. Cable rated at 400 watts. The 60-ft. Cable will heat up to a 36 square-foot hotbed. 30-ft. assembly \$6.55; 60-ft. assembly \$10.95.

Thermostats. X54 is a simplified type and will control 1 or 2 cables. It is the best suited for automatic operation around pipes, etc. G2 Thermostat includes a duplex receptacle and 3 feet of rubber cord. It controls up to six 60-foot cables. X54 Thermostat \$8.25, G2 Thermostat \$19.20.

Bird Vita-Bands



Square, open-bottom pots used for transplanting. Sturdy fibre-resin construction maintains best moisture conditions. Exclusive nutrient treatment provides a liberal supply of plantfood. Tested and approved under all growing conditions. Simple to set up.

Bird Vita-Band 40

For general all-around use Per 1000*

1 3/4 x 1 3/4 x 2 1/2 in.	\$5 95
2 x 2 x 2 1/2 in.	6 60
2 x 2 x 3 in.	7 35
2 1/2 x 2 1/2 x 3 in.	8 85
3 x 3 x 3 in.	10 30

Package of 100 2 x 2 x 2 1/2 in., \$1, post-paid.

Bird Vita-Band 10

A low cost Band, for shorter growing periods Per 1000*

2 x 2 x 2 1/2 in.	\$4 40
2 x 2 x 3 in.	4 90
2 1/2 x 2 1/2 x 3 in.	5 85
3 x 3 x 3 in.	6 75
4 x 4 x 3 in.	8 85

Bird Vita-Pots

Durable, nutrient-treated pots for growing and shipping plants. Their use eliminates transplant root shock—saves on shipping charges—protects root balls during shipping.

	50 Postpaid	100 Postpaid	1000*
2 1/2-in.	\$1 25	\$1 45	\$2 00
3-in.	1 60	1 80	2 25
4-in.	1 75	2 00	2 50

Bird Neponset Red Flower Pots

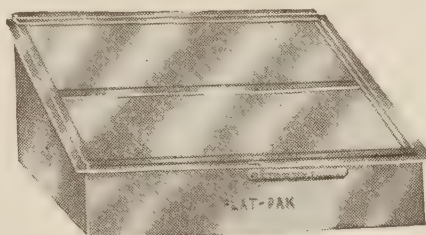
Used for shipping plants and transplanting. Light in weight and sturdily made. Inner wax coating prevents drying out.

	25 Postpaid	100 Postpaid	1000*
2 1/4-in.	\$0 40	\$0 55	\$1 15
3-in.	45	60	1 20
4-in.	60	75	1 85
6-in.	80	1 00	2 60

*F.O.B. Pittsburgh or factory if not in stock

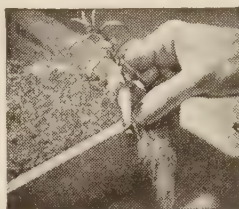
Flat-Pak Plant Forcer

Grow Your Own Plants Easily from Seeds



Get an early start for your vegetable and flower seeds in this convenient and practical device. Made of stainless steel, quickly set up and knocked down. No screws or bolts to bother with. Has weatherproof adjustable window covered with plastic cloth which admits all beneficial sun-rays. Provides 6 square feet of growing space. Can be stored in a space smaller than a card table. \$15.95.

Terra-Lite Brand Vermiculite



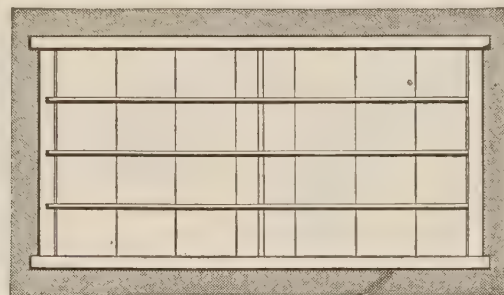
A growing medium for starting seeds in flats and benches and for rooting cuttings. Seeds germinate faster, root cuttings develop quicker and are stronger when grown in Terra-Lite. Terra-Lite is chemically inert

and does not contain any bacteria or fungus. Seeds planted in Terra-Lite are not susceptible to pre-emergence damping-off.

3-qt. bag 40 cts., postage extra 15 cts.; 1 1/2-bus. bag 85 cts., postage extra 20 cts.; 2-bus. bag \$2; 10 2-bus. bags \$18.50.

B-B Garden Flats

Made of common lumber. Has patent detachable front which permits plants to be removed without disturbing the roots. Suitable for starting any kind of seeds indoors. Can be used either with or without pots. Size 12 3/4 x 18 3/4 x 3 in. Price, flat only, without pots, 75 cts. each; 25 or more, 70 cts. each.



Metropolitan Hotbed Sash

Metropolitan Hotbed Sash are made from good quality Tidewater Gulf cypress, fabricated and finished on specially designed sash-making machines. All parts are mortised and tenoned to insure accurate, smooth, and tight-fitting joints. The sides are planed perfectly straight to prevent any open space between sash when laid on the frame.

No. 9. 3 ft. 2 in. x 6 ft. for 4 rows of

8-in. glass.....\$9 80

Sash are 1 3/4 inches thick with 7/8-in. round iron cross-bar in center and with horns.

Sash are painted two coats of paint, without glass. 5-sash lots, 20 cts. per sash less; 10-sash lots, 30 cts. per sash less.

Glass for Hotbed Sash

Per box
8x10, 90 lights, B, Single Strength..\$8 35
10x12, 60 lights, B, Single Strength.. 8 35

Densoplastic (Glazing Putty)

Used for glazing and reglazing of hotbed sash and greenhouses. A gallon does 300 lineal feet of bar with 3/8-in. nozzle.

1-gal. can.....\$4 00

5-gal. kit.....16 75

Glazing Gun with 3/8-in. nozzle, \$6.

Peerless Glazing Points



Used for glazing hotbed sash. Zinc coated. 1-lb. pkg. 90 cts., 5 lbs. \$4.25.

Grow
Earlier,
Hardier
Vegetables
and
Flowers



Protect tender seedlings from frost, hot sun, wind, etc.—reduce shock of transplanting with Hotkaps. These patented wax-paper cones form miniature hothouses over each plant. Enjoy all your favorite flowers and vegetables—first. Quick and easy to set.

	Postpaid
25 Hotkaps with setter.....	\$0 95
100 Hotkaps with setter.....	3 15
250 Hotkaps with setter.....	5 90

Weeks Earlier to Market

Thousands of market gardeners are getting premium prices every year by using Hotkaps. They eliminate weather and insect damage, help produce earlier and bigger crops. Hotkaps are inexpensive and easy to use. Ppd.

1,000 Hotkaps.....	\$18 35
5,000 Hotkaps, prepaid.....	91 00
10,000 Hotkaps, prepaid.....	180 50
Fiberboard Garden Setter, each 20 cts.	
Steel Setter, each \$1.95.	

Morton's Sugar-Cure

For Hams and Bacon

A high-grade meat salt, accurately proportioned and scientifically blended with marvelously balanced Sugar-Cure, select spice flavors and the curative and flavoring properties of refined condensed wood smoke. Every ingredient necessary to cure meat and impart to it delightful flavor is combined with the salt. This improved Sugar-Cure does the entire job. 7½-lb. can \$1.10.

Morton's Tender-Quick

A special meat cure for pumping hams and shoulders and curing beef, veal, mutton, lamb, etc. It is so perfectly blended that it cures faster, improves the flavor, and makes more tender cured meats. 2-lb. can 50 cts., 4-lb. can \$1.

Morton's Meat Pump. Should be used to get a uniform cure from the rind to the bone. \$2.

Morton's Sausage Seasoning

Ready for use and makes delicious sausage. 10-oz. can 55 cts., 7½-lb. can \$4.90.

Legg's Old Plantation Pork Sausage Seasoning

8-oz. pkg. sufficient for 25 pounds of meat, 40 cts.

Meat Curing Made Easy

Cure in brine made from Wright's Ham Pickle and salt. After curing, let dry ten days, then apply two coats Wright's Condensed Smoke. Wright's Ham Pickle cures meat thoroughly. Wright's Smoke, made from choice hardwoods, adds wonderful old-time flavor. Ask for free booklet, "Meat Production on the Farm."

Wright's Ham Pickle. For sugar curing. 1-qt. bottle 65 cts., ½-gal. bottle \$1.

Wright's Condensed Smoke. For smoking. 1-pt. bottle 65 cts., 1-qt. bottle \$1.

Blackman's Medicated Lick-A-Brik

A stomach tonic combined with salt and other supplemental minerals for horses, mules, cattle, and sheep. Easy to use—simply put brick in the feed box. 35 cts. per brick, \$3.75 per doz.

Keystone Pure Salt Bricks

Practical dairymen and livestock feeders know that livestock like and want Salt. Cattle and horses will be more thrifty and more healthy if given the proper amount of salt in their rations.

Place the Salt Bricks in the feeders built especially for them where the stock can have access to them at all times. They are of pure, unadulterated salt.

25 cts. per brick, doz. bricks \$2.75, 2 doz. bricks \$5.25. Feeder, 75 cts. each.

Sal-Vet

Mineral Supplement for all Livestock

Contains the necessary minerals required by livestock; aids digestion, helps to keep them in healthy condition. Used and recommended by livestock feeders and breeders for over 40 years.

5-lb. pkg.\$0 90 50-lb. bag.....\$5 50
10-lb. pkg. 1 45 10-lb. bag..... 9 00
25-lb. pkg. 3 00

Salt

Morton's Trace Mineralized. 50-lb. block \$1.50, 100-lb. sack \$2.45.

Morton's Dairy Salt. 10-lb. sack 40 cts., 25-lb. sack 60 cts., 100-lb. sack \$1.70.

Crushed Rock Salt. 10-lb. sack 40 cts., 100-lb. sack \$1.75.

Kow-Kare

This great tonic and conditioner supplies invigorating elements needed by freshening cows, promotes digestion and assimilation. Give KOW-KARE with the feed to promote vigor for low-cost production and cow health.

1¼-lb. package \$1, 2¼-lb. package \$1.50, 50-lb. drum \$18.

Bag Balm

For Udder and Teats

Never be without this antiseptic ointment for quick healing of tender tissues. A potent aid in treating caked bag, inflammation, exterior teat and udder troubles, and all farm healing.

10-oz. package \$1, postpaid.

B-K Dairy Bactericide

A fast-acting chlorine Bactericide used for treating dairy utensils and milk-plant equipment to kill bacteria. It aids in producing milk of low bacteria count, thus increasing quality, which brings better prices. It works faster, more cheaply, and more thoroughly than dry heat, hot water, or steam as ordinarily used. It does the job in hot or cold water.

B-K POWDER

9½-oz. bottle ...\$0 85 | 1½-lb. bottle...\$1 70

B-K LIQUID

4-oz. bottle....\$0 30 | 1-gal. bottle....\$2 00
10-oz. bottle.... 50 | 5-gal. jug..... 8 50
1-qt. bottle.... 90

HTH-15 Farm Sterilizer

Protection of your milk quality by reducing bacteria counts is made easy with HTH-15. This effective, economical chlorine bactericide is a fast killer and is easy to use.

Simply add one level tablespoonful of HTH-15 to 3 gallons of hot or cold water. Rinse all milking equipment with this solution just before milking. Use it to wipe the cows' teats and udders to aid in prevention of mastitis. HTH-15 helps to protect your milk quality and profits.

1-lb. bottle 85 cts., 3-lb. bottle \$2, case of six 3-lb. bottles \$10.

General Manual Kleanser

A soapless washing powder with wetting agent for washing dairy utensils and equipment by hand. Cleans and rinses rapidly—costs little to use. 5-lb. pkg. \$1, 10-lb. pkg. \$1.95.

Pennclean

A clear, colorless, acid solution for the removal of milkstone on dairy utensils and plant equipment. Penetrates rapidly—non injurious to tinned surfaces, stainless steel or white metal utensils. Quart bottle \$1.

Lewis Lye

Lewis Lye is an extremely high-test product and has been a favorite with farmers and housewives for many years. 13-oz. can 20 cts.

Dr. Hess' Stock Tonic

Used with success for more than 50 years. Whets appetite; sustains milk-flow well through lactation period. Contains minerals needed by heavy-producing dairy cows. Valuable at calving-time; increases profits from steer-feeding, and puts horses and mules in condition.

2-lb. pkg.....\$0 50 35-lb. pail.....\$5 25
5-lb. pkg..... 1 10 100-lb. drum.....13 00
10-lb. pkg..... 1 90

Dr. Hess' Hog Special

Has tonics and minerals to keep hogs' internal organs in full function. In research tests, hogs fed Dr. Hess' Hog Special reached market weight in six to ten days' less time and consumed 20% less feed.

2-lb. pkg.....\$0 50 35-lb. pail.....\$5 25
5-lb. pkg..... 1 10 100-lb. drum.....13 00
10-lb. pkg..... 1 90

Dr. Hess' Dip and Disinfectant

Kills foul odors. For sheep-, horse-stables, dairy-barns, hog-pens, poultry-houses, dog-kennels, and general disinfecting. 1-qt. can \$1.05, 1-gal. can \$2.75, not prepaid.

Calves' Cordial

An effective intestinal astringent for Cows and Calves. 1-lb. pkg. 75 cts.

Bag Balm Teat Dilators

For spider, scabs, bruises, internal injuries. Smooth, ivory-like, cannot irritate or absorb pus infection.

Package of 25, \$1, postpaid.

DuPont Dairy Cattle Spray

A wettable powder used to control flies and lice on cattle; also a residual spray to control stable flies, houseflies, and mosquitoes. Economical, safe and easy to use. 4-oz. cannister 45 cts., 1-lb. cannister \$1.25, 2-lb. cannister \$2.20.

Isotox Liquid Dairy Spray

A quick-acting, residual fly control, containing lindane. U. S. D. A. approved for dairy barn fly control and for mange and lice control on cows. 4-oz. bottle \$1.50, 1-pt. bottle \$3.90, 1-gal. can \$26.70.

Dr. A. C. Daniels' Horse Medicines

	Postpaid
Colic Drops. For colic.....	\$1 30
C. C. & F. Drops. Coughs, colds, and fevers.....	65 cts. and 1 30
Horse Conditioner. A condition powder.....	65
Worm Powder. An aid in expelling worms.....	65
Wonder Lotion. Scratches, wounds, and cuts.....	35
Gall Salve. A relief for saddle and harness sores.....	35 cts. and 65
Antiseptic Healing Powder. For sores, cuts, and wounds.....	50
Hoof Ointment and Softener.....	65
Oster Cocus Liniment. Cord and muscle liniment.....	35 cts. and 65
Carbo Negus Disinfectant.....	35 cts. and 65
Absorbent Spavin Salve.....	65
Horse Physis Balls.....	1 00
Hoof Dressing and Polish.....	65

Since 1908 Corona Since 1908 Antiseptic Ointment for Cows and Horses

Every farm, dairy, and high-class stable will find CORONA indispensable for minor skin injuries and irritations. Ideal udder and teat massage; wound dressing. Use for galled bruised shoulders, scratches, chapped cracked teats, brittle hoofs. Soothing, softening, healing aid.

8-oz. can \$1, 1¼-lb. can \$2.

PTZ

Worm Treatment for Farm Animals

Made with phenothiazine, the new non-toxic worm treatment for sheep, horses, swine, cattle and poultry. Highly effective against the six common species of worms infesting sheep.

PTZ Pellets. 13.5-gram, 8 cts. each; 8-gram 4½ cts.

PTZ Powder. 4-oz. pkg. 75 cts., 1¼-lb. pkg. \$2.10, 4½-lb. pkg. \$7.20 postpaid.

Special Forceps. For individual dosing. 75 cts.

Improved Keystone Dehorner

The Improved Keystone Dehorner is the most efficient dehorning knife on the market today. It has been improved in several important points of construction, until its strength, cutting service and durability have been greatly increased.

Complete with extra set of blades and screws, \$20, postpaid. Special circular sent on request.

Kan't-Kik Kow Hobble

Stops kicking, side-stepping and saves many a pail of milk. Easily and quickly attached. Clamps over tendons on cow's hind legs. Will not injure or torture the animal in any way. 45 cts.

Dr. Hess POL

A chemical dehorner. Prevents growth of horns on young calves and kids. Relatively painless, safe to use and adheres firmly. Brush furnished for easy applications. Treat calves when 3 to 10 days old. Bottle \$1.25.

Sealright "Liftright" Milk Bottle Cap

Has strong tab that lifts at the touch of the finger. Ideal Cap for general use.

No. 2 size. Packed in tubes, 500 Caps each.

Stock printing. Postpaid
500 caps.....\$0 75 \$0 85
1,000 caps..... 1 40 1 50
5,000 caps..... 6 50 6 75

25,000 caps.....\$30 50
50,000 caps..... 59 00

Printed to order.

10,000 caps..... 15 70
25,000 caps..... 32 50
50,000 caps..... 62 00
Electro charge of \$9 for one color and \$12 for two colors will be made on orders for Caps with new designs.

Caps printed to order are shipped direct from factory and transportation charges prepaid at prices quoted.

Banco Milk Filter Discs

Made of thinly rolled, non-absorbent cotton especially for the purpose. Filters quickly, clean, and uniform.

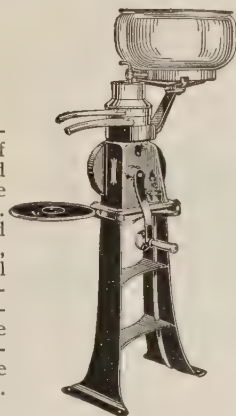
Plain Discs. 6-in. diam., pkg. of 100, 90 cts.; pkg. of 300, \$2.60. 6½-in. diam., pkg. of 100, \$1.05; pkg. of 300, \$2.90.

Thread-faced Discs. 6-in. diam., pkg. of 100, \$1.35; pkg. of 300, \$3.80. 6½-in. diam., pkg. of 100, \$1.50; pkg. of 300, \$4.30.

De Laval Cream Separators Junior Series

De Laval Separators are made of quality materials and workmanship of the highest standards. They are equipped with efficient bowls, automatic splash oil lubricating, automatic bell speed-indicator, well-made tinware, easy-running gears, and are attractively finished. Circular on request.

No. 2. 225-lb. capacity per hour... \$43 50
 No. 3. 300-lb. capacity per hour... 57 25
 No. 4. 400-lb. capacity per hour... 69 50
 High Stand. For Nos. 2, 3 or 4... 10 75
 Low Stand. For Nos. 2, 3 or 4... 9 50
 Electrical Attachments. For Nos. 2, 3 or 4... 32 50



Standard Glass Churns



An improved, streamlined Glass Churn designed for home butter making. Has extra-heavy clear glass jar, efficient dasher, built-in strainer and covered gears. Complete butter-making directions supplied with each Churn. Churning capacity about one-half the total capacity of the Churn.

Standard Electric Churn. 4-qt. size \$18.75; 8-qt. size \$19.50.

Standard Hand Churn. 4-qt. size \$3.75; 8-qt. size \$4.65.

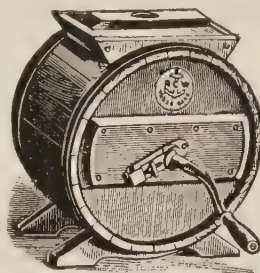
Richmond Cylinder Churn

A popular Churn for home use. Made of white cedar and has galvanized iron hoops. The top is large and dasher is easily removed.

No. 1. 3-gallon capacity. \$8.50.

No. 3. 7-gallon capacity. \$11.75.

No. 4. 10-gallon capacity. \$13.85.



Lisk Dairy Pails



No. D110. 10 qt.. \$1 25
 No. 5214. 14-qt.. 2 00
 No. 7512. 12-qt.. 5 90
 No. 7514. 14-qt.. 6 25

No. 7512 and No. 7514 Pails are absolutely sanitary. No seams or rivets in the entire pail. Heavily retinned. Welded ears. Heavy steel band on bottom. Heavy steel bail. Complies with all dairy laws.

Lisk Milk Cans

Charcoal tin body and bottom; one-piece retinned breast. Malleable ears and heavy tinned wire bail. Each

No. D304. 1 gallon... \$3 50

No. D308. 2 gallons... 4 50

No. D312. 3 gallons... 5 50

Milk Strainers

Seamless and sanitary soldered. Furnished with bottom cut out and equipped with removable flat perforated tin disc, convex perforated tin disc, and spring wire. Cotton pads are used between the discs and are furnished at extra charge. Capacity, 12

quarts. No. D512. \$3.25.



Stewart Clipmaster

CLIPS:

COWS
 HORSES
 MULES
 GOATS
 DOGS

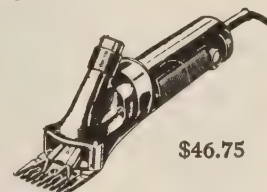


\$37.95

Stewart Shearmaster

SHEARS:

SHEEP
 and GOATS



\$46.75

Both machines are built for rugged use. They have powerful, cool-running motors and plastic motor case that fits the hand in an easy, natural grip. Operates on any 110-120 volt current, AC or DC.

No. 51A Clipmaster Attachment. Converts Shearmaster into a clipping machine. \$15.95.

No. 31A Shearmaster Attachment. Converts Clipmaster into a shearing machine. \$24.50.

Extra Blades for Shearing

No. 276. Three-tooth top blade... \$0 55

No. 277. Ten-tooth bottom blade... 1 35

No. 4-HA. Four-tooth top blade... 70

No. 4-HB. Nine-tooth bottom blade... 1 70

Extra Blades for Clipping

No. 360. Top blade... \$1 80

No. 361. Bottom blade... 2 35

No. 90. Top blade... 1 80

No. 99. Bottom blade... 2 35

No. C-71M. Top blade... 1 80

No. 72-M. Bottom blade... 2 35

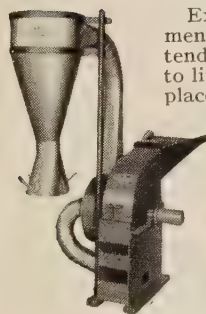
No. 83AU. Top blade for Clipmaster... 1 80

No. 84AU. Bottom blade for Clipmaster... 2 35

Ney Water Bowls

Made of special close-grained cast-iron with a minimum of working parts. Has removable solid brass valve. Nose lever will stand tilted up to simplify removing chaff, etc., from Bowl. No. 151. \$5.95 each.

Fairbanks-Morse Hammermills



Experiments conducted by agricultural experiment stations demonstrate some valuable facts tending to prove that it pays to feed ground grain to livestock. Every ounce of grain or roughage you place in front of your livestock that is not in condition to be eagerly consumed and properly digested is steadily increasing your feed costs.

Fairbanks-Morse Hammermills will grind either small grains or roughage and are constructed in modifications to fit any tractor. Large breaker plates and screens grind faster and increase capacity.

No casting to break; body of rust-resistant steel; self-aligning bearings. Every Fairbanks-Morse Hammermill is given an action test as it comes off the assembly line. This

test assures the customer of an A-1 product in top working order.

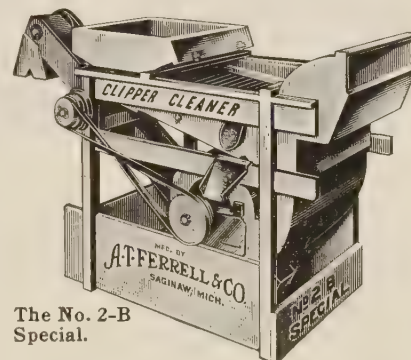
Furnished with hand feed table, blower, blower pipe, feed collector and one screen. Extra screens, $\frac{3}{8}$ in. through 2-in. opening, \$5 each.

No. 431. (Requires 15-20 H.P.) \$165.

Clipper Seed Cleaner

Cleans and Grades all Farm Seeds and Grain

Designed principally for farm use. Furnished with 12 interchangeable screens for cleaning Wheat, Oats, Clovers, Alfalfa, Timothy, and other farm seeds and grain. Screens are 24 $\frac{1}{2}$ inches wide and 22 $\frac{1}{4}$ inches long. Fan is easily regulated to blow out as much or as little light weight grain as desired. Substantially built throughout. Capacity 15 to 25 bushels per hour. Circular on request.



The No. 2-B Special.

No. 2-B. Without bagging elevator. \$105.

No. 2-B Special. With bagging elevator. \$120.

Electrical Drive Equipment with $\frac{1}{2}$ -H.P. motor. \$25.50.



START BEEKEEPING—IT PAYS WELL

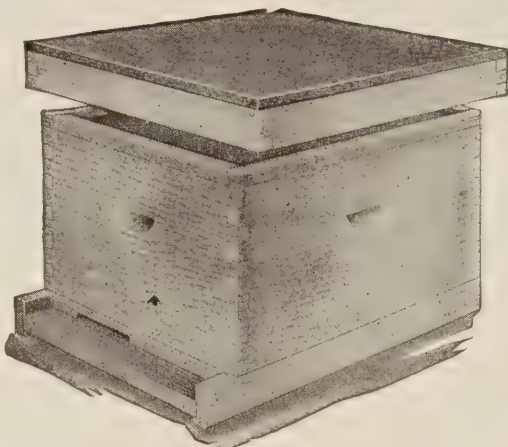
Root Quality Bee Supplies are well known and need no introduction to beekeepers. Every article is guaranteed to give you absolute satisfaction. If you do not find what you want listed on these two pages, write for Complete Catalogue.

Standard Hives

Standard Hive

KD. 10 Frames
(no comb-
foundation).

5 for \$38.95



The Standard Hive is made of the best selected pine lumber, perfectly milled and fitted together. It is the one most generally used by the largest honey-producers on account of its light weight and the ease with which it may be moved from one location to another.

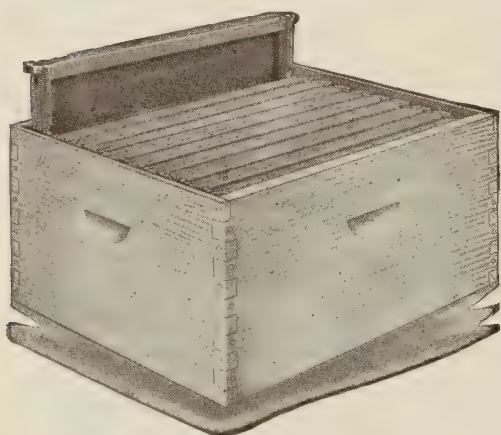
It is $16\frac{1}{4} \times 20$ inches, and $9\frac{5}{16}$ inches deep, outside measurements.

Hives in the flat are furnished with nails, tin rabbets, reversible bottom-board, aluminum cover with inner cover, and Standard frames.

Cat. No.	DESCRIPTION	Quan.	Wt. lbs.	Price
A1	Hive complete, no foundation	1 KD	31	\$8 15
A2	Hive complete, no foundation	5 KD	156	38 95*

*Packed in four packages.

Hive-Bodies or Full-Depth Supers



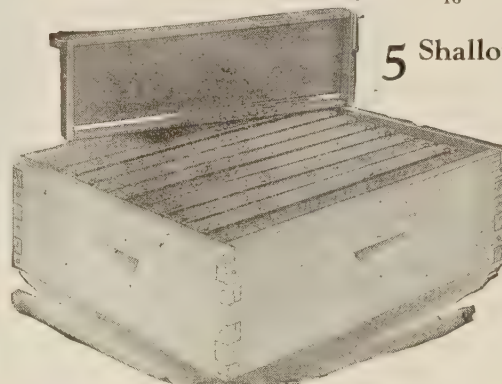
Five
Hive-Bodies
10-Frame Size
No Frames
\$10.35

It pays
to have extra
Hive-Bodies

Made of the same high-quality materials as the Root Standard Hive. They may be used either as a brood-chamber, i. e., the lower story of the Hive, or as a full-depth upper story or super for extracted honey. Nails and tin rabbets included with bodies. No division-board.

Cat. No.	DESCRIPTION	Quan.	Wt. lbs.	Price
C1	Body without frames	1 KD	12	\$2 40
C2	Body without frames	5 KD	45	10 35

Shallow Extracting Supers ($5\frac{11}{16}$ inches deep)



5 Shallow Extracting
Supers
KD, with
frames,
no foundation
\$12.15

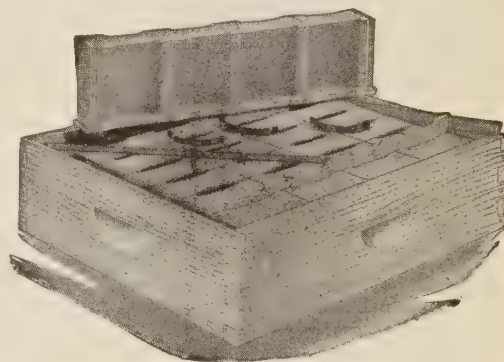
This Super is largely used in the production of chunk honey, also for producing extracted honey in shallow frames. May be used as a food chamber for winter. Furnished with or without shallow frames.

Cat. No.	DESCRIPTION	Quan.	Wt. lbs.	Price
C17	Super with frames, no foundation	1 KD	9	\$2 70
C18	Super with frames, no foundation	5 KD	39	12 15
C12	Super without frames	1 KD	5	1 40
C13	Super without frames	5 KD	28	6 50

Beeway Section Super ($4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{7}{8}$)

This is the most popular Section Super used today. It may be used on any hive, tiered up one or more high. Each Super holds 28 Beeway Sections. 90% of the comb honey production is stored in Beeway Sections.

Super includes nails, flat tins, end-stops, Super springs, Beeway section-holders, section separators, and cleats.



$4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{7}{8}$ Beeway Section Super

Cat. No.	DESCRIPTION	Quan.	Wt. lbs.	Price
D5	Super, no sections or foundation	1 KD	7	\$2 40
D6	Super, no sections or foundation	5 KD	36	10 65
D4.	30 split sections and 7 sheets foundations	4	1	65

The Killion Comb Honey Super

The new Comb Honey Super based on the original T Super. Does not use or need section holders. Bees have free access to all sections from all sides. Double ends encourage bees to fill all sections evenly. Furnished in standard 10-frame size. For really fine grade comb honey this super is tops.

Cat. No.	DESCRIPTION	Quan.	Wt. lbs.	Price
D11.	Super, no sections or foundation	1 KD	5	\$2 40
D12.	Super, no sections or foundation	5 KD	20	10 65

Root Honey Extractors

L35	3-frame Honey Extractor. Hand power	\$30 95
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WRITE OR ASK FOR CATALOGUE OF ROOT'S QUALITY BEE SUPPLIES

BUY ROOT BEE SUPPLIES—SAVE MONEY



4 x 5 x 1 3/8 Plain
4 1/4 x 4 1/4 x 1 1/8 Beeway

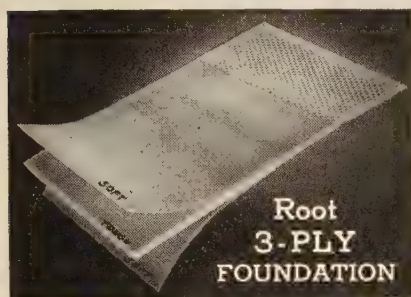
Root Quality Sections

Made of finest basswood lumber, sorted with great care, dried exactly right, planed and cut exactly, expertly polished, dovetailed perfectly. Rounded bottom, V-grooved, so wood bends without breaking.

MILL RUN GRADE

4 1/4 x 4 1/4 x 1 1/8 Beeway Sections			4 x 5 x 1 3/8 Plain Sections		
Cat. No.	Wt. lbs.	Price	Cat. No.	Wt. lbs.	Price
F1. 100 Plain	7	\$3 35	F20. 100 Plain	6	\$3 25
F3. 500 Plain	32	15 00	F22. 500 Plain	27	14 75
F4. 100 Split	7	3 75	F25. 500 Split	27	15 65
F6. 500 Split	32	15 95			

Three-Ply Airco Comb Foundation



Comes in two weights—the regular 3-ply and the new "Wyrless" 3-ply. For best results combs made with regular 3-ply should have at least two horizontal wires whereas the new "Wyrless" does not require these wires for ordinary use. Standard frames with 2 piece bottom-bar are required for the "Wyrless" foundation.

Cat. No.	Description	Wt. lbs.	Per pkg.
H1. 10 sheets.	Sheets 8 x 16 3/4 in. Regular	3	\$2 00
H3. 50 sheets.	Sheets 8 x 16 3/4 in. Regular	9	9 20
H8A. 10 sheets.	Sheets 8 1/16 x 16 3/4 in. Wyrless	3 1/2	2 30
H11A. 50 sheets.	Sheets 8 1/16 x 16 3/4 in. Wyrless	11	10 80

Single-Ply Airco Foundation

Genuine Airco Process Foundation, made into clear, tough sheets from finest quality pure beeswax.

MEDIUM BROOD FOUNDATION

For Standard Frames			For Shallow Frames		
Cat. No.	Wt. lbs.	Per pkg.	Cat. No.	Wt. lbs.	Per pkg.
H20. 10 sheets	2	\$1 80	H26. 10 sheets	2	\$1 10
H22. 50 sheets	8	8 95	H28. 50 sheets	5	4 65

THIN SUPER FOUNDATION FOR COMB HONEY

For 4 1/4 x 4 1/4 Sections			For 4x5 Sections		
Cat. No.	Wt. lbs.	Per pkg.	Cat. No.	Wt. lbs.	Per pkg.
J1. 1-lb. carton	2	\$1 45	J12. 1-lb. carton	2	\$1 45
J3. 5-lb. carton	7	6 95	J14. 5-lb. carton	7	6 95
For 4 1/4 x 4 1/4 Split Sections			For Shallow Frames		
Cat. No.	Wt. lbs.	Per pkg.	Cat. No.	Wt. lbs.	Per pkg.
J6. 1-lb. carton	2	\$1 45	J22. 1-lb. carton	2	\$1 45
J8. 5-lb. carton	7	6 95	J24. 5-lb. carton	7	6 95

Frames

Made of clear soft pine lumber, and milled on special machinery designed and built by A. I. Root Co.

Cat. No.	Wt. lbs.	per 100	10	50	100
G1. Standard Frame, 9 1/2 x 17 1/8	45	\$1 65	\$7 25	\$14 15	
G20. Shallow Extracting Frame, depth 5 3/8	25	1 40	5 65	10 60	
G24. Shallow Extracting Frame, regular Hoffman top-bar	38	1 60	6 35		
G40. Regular Half-depth Frame, depth 4 1/2	24		5 50	10 50	
G58. Root Frame-nailing Device	Wt. 10 lbs.	\$3.95 ea.			

Wire for Frames

Made especially for the purpose. Standard frames take 6 1/2 feet of wire for each frame; shallow frames, 3 1/2 feet.

Cat. No.	Wt. ozs.	Price	Cat. No.	Wt. ozs.	Price
G61. 4-oz. spool	6	\$0 30	G63. 1-lb. spool	18	\$0 70
G62. 1/2-lb. spool	10	45			

Root Smokers

Made of quality material throughout. Designed to give satisfactory service.

Cat. No.	Size of Fire Box	Wt. lbs.	Each
N2. Junior (tin)	3 1/4 x 5 in.	2	\$1 70
N3. Standard (tin)	3 1/4 x 7 in.	2	2 05
N5. Jumbo (tin)	4 x 7 in.	3	2 35
N7. Big Jumbo (tin)	4 x 10 in.	3	3 15

Bee Veils, Gloves and Hat

Cat. No.	Mailing Wt.	Price
N10. Indestructible Veil	1 lb.	\$1 55
N11. Alexander Veil	1 lb.	1 60
N12. Delphos steel Veil	1 lb.	1 90
N15. Veil (Cotton tulle)	3 oz.	1 70
N18. Collapsible Hat	4 oz.	2 15
Drill Bee Gloves, Small, Medium, Large	1 lb.	1 65
Leather Bee Gloves, Medium or Large	2 lb.	3 60

Honey Section Cartons

Cat. No.	Wt. lbs.	Per 100	100	500
T10. Window Cartons for 4 1/4 x 1 1/8 Sections	6	\$2 10	\$9 95	
T30. Window Cartons for 4x5 Sections	6	2 10	9 95	

Super Fixtures

Cat. No.	Wt. lbs.	Per 50	10	50
E1. Section Holders for 4 1/4 x 4 1/4 x 1 1/8 Sections	15	\$0 75	\$4 35	
E8. Section Holders for 4 1/4 x 4 1/4 x 1 1/2 Sections	11		3 60	
E5. Section Holders for 4x5 x 1 3/8 Sections	19		5 65	
E15. Beeway Wood Separators, 1/10 in. thick	7	50	2 15	
E25. P Fences, used with 1 1/4 x 4 1/4 x 1 1/2 Sections	5		6 75	
E27. M Fences, used with 4x5 x 1 3/8 Sections	6		7 85	
E12. End Stops	2 1/2	30	1 15	
E35. Super Springs	12 ozs.	18	75	

†Package of 7.

Miscellaneous Supplies

Cat. No.	Wt. lbs.	Price
B1. Aluminum Cover with Inner Cover, 1 KD	11	\$3 20
B2. Aluminum Cover with Inner Cover, 5 KD	41	13 85
B8. Inner Cover, without bee escape, 1 KD	3	95
B9. Inner Cover, without bee escape, 5 KD	12	3 85
B12. Pine Bottom Board, 1KD	7	1 80
B13. Pine Bottom Board, 5KD	37	7 65
B25. Hive Stand for 10-fr. Standard Hive, 1 KD	4	1 05
B26. Hive Stand for 10-fr. Standard Hive, 5 KD	25	4 75
B30. Queen Excluder, Standard 3-Wire and Wood	4	1 60
B35. Queen Excluder, Special 7-Wire and Wood	4	1 60
N35. Plain Uncapping Knife, 8 1/2 in.	1	2 05
N36. Plain Uncapping Knife, 10 in.	1	2 35
N63. Root Wax-tube Fastener	5 ozs.	60
N65. Spur Wire Imbedder	1/2	40
N68. Inexpensive Frame-Wiring Outfit	1	1 00
N70. Combined Frame-Wirer and Wire Imbedder, with resistance coil	10	8 75
N75. Hand Section Press	1 1/4	1 05
N77. Brass Eyelets for frames	3 ozs. per 1000	50
N79. Hand Punch for eyelets	3 ozs.	25
N80. Hive Tool, 8 in.	1/4	85
N81. Hive Tool, 10 in.	6 ozs.	1 05
N85. Bristle Bee Brush	4 ozs.	60
O2. Boardman Feeder with cap only	12 ozs.	30
O5. Double Bee-Escape	1 oz.	35
O8. Wire Queen and Drone Trap	2	1 05
O9. Wire Entrance Guard	1 1/2	35
X5. ABC and XYZ of Bee Culture	815 pages.	
	732 illus. Postpaid	3 95
X8. Starting Right with Bees. 1947 Edition. Ppd.		75

Bees and Queens

V 3. 2-lb. pkg. with queen (April 15 to June 1)	\$3 75*
V 6. 3-lb. pkg. with queen (April 15 to June 1)	4 95*
V15. 2-lb. pkg. with queen (After June 1)	3 50*
V18. 3-lb. pkg. with queen (After June 1)	4 50*
V12. Queen (After June 1)	95

*PRICES ARE F. O. B. APIARY, EXPRESS CHARGES ADDITIONAL

Prices of Bee Supplies are f.o.b. Pittsburgh. On mailable articles forwarded by parcel post, add for postage at rates given on page 1, using weight given in connection with each article.

Gravely Garden Tractor and Power Mowers

The Most Versatile Small Tractor on Earth

The many jobs a Gravely will do, and do better, and with less labor than other methods, are almost unbelievable. Investigate this modern power equipment before buying any power mower or garden tractor.

Model L Gravely



Showing the Gravely in use with Rotary Plow Attachment

There is plenty of power to do this heavy work. The exclusive Gravely patented swivel action allows the cutter bar to follow the contour of the ground regardless of the position of the tractor wheels.

It is easily maneuvered in close places and cuts clean and fast. The reverse gear is of particular advantage when using the Sickle Mower. It allows you to back out from under shrubbery and away from hedge rows and corners under the power of the tractor. The slip clutch is protection from damage if you should happen to run onto a large stone or other obstruction.

For lawn mowing, the Gravely with 30-inch Rotary Mower Attachment is the answer to your mowing problem. The attachment is quickly put on the tractor with only four bolts. The absence of both ground wheels and castor wheels assures an extra smooth even cut without streaks. This design also permits closer cutting along walks, flowerbeds, and walls than is ordinarily possible. The reel is power driven. Like the Sickle Mower, the Rotary Mower has the same exclusive, patented, swivel action.

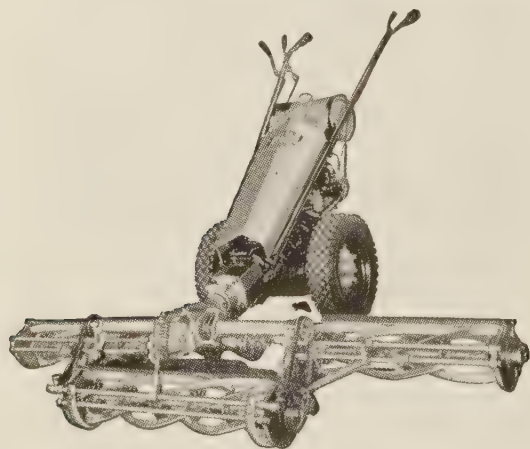
If your mowing area is large, a pair of 25-inch gang mower units may be used in addition to the 30-inch mower. With the Riding Sulky it makes using the Gravely a comfortable task.

The Snow Plow is quickly attached to the tractor and may be set to angle to the left or right or straight ahead. It will handle snow up to 14 inches deep and will clear walks and driveways in a hurry. A standard width driveway is cleared in two sweeps. This attachment can be used to bulldoze loose dirt and similar materials.

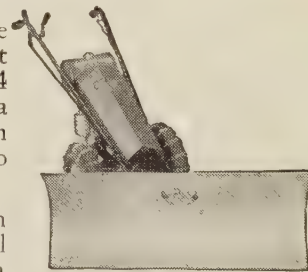
The Rotary Saw Attachment has 26-inch blade and can be used in a horizontal or vertical position. It will do clearing and cutting jobs with less effort and expense than any other method.



The Gravely with Sickle Bar Mower



The Gravely with Gang Mower cuts a swath 72 inches wide.



The Gravely with Snow-Plow Attachment

Power vs. Drudgery:

Write us for price-list and "Power vs. Drudgery," the complete catalogue with specifications and illustrations of all of the attachments, or come in to see them.

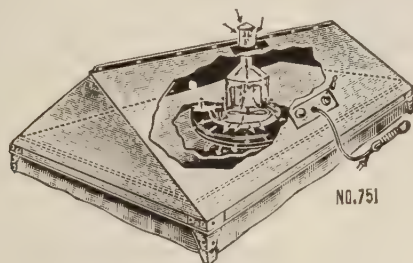
Poultry Equipment and Supplies

Oakes No. 700 Electric Brooder



Designed especially for those who want to brood up to 100 or 125 chicks. Will brood chicks from a day old up to the time they no longer require heat. Provides safe, carefree brooding without worry of constant attention. Has automatic heat control and 300-watt heating element. Canopy 30 in. by 35 in. **\$13.60.**

Oakes "Fantype" Electric Brooders



Millions of baby chicks and turkey poults are brooded annually with Oakes Electrics. They brood chicks *nature's way*—develop into big, husky, healthy fowls. Fan insures positive heat circulation, warm chicks, and warm, dry floor. Galvanized iron canopy is well braced and rigid. Equipped with snap switch, wafer operated, temperature regulator; adjustable legs; heavy denim curtains. Heating element guaranteed for 2 years. For 110-volt A.C. operation. Shipped K.D. but easy to assemble.

	Canopy	Capacity	Heater
No. 750.	52 x 52 in.	Up to 385 chicks	600 watts... \$43 75
No. 751.	48 x 72 in.	Up to 500 chicks	650 watts... 51 40

Chik-Saver Electric Brooder

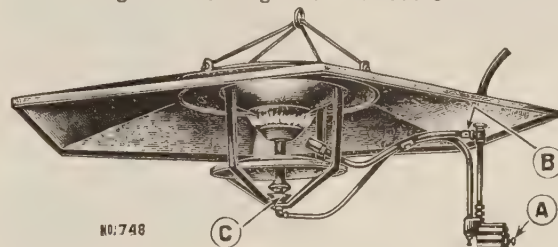
The Chik-Saver broods chicks successfully. Canopy is 36 inches by 42 inches, has galvanized top and is lined throughout with insulating board. Furnished with 500-watt enclosed type heater with bi-metal, automatic thermostat, cord, plug, and socket. Capacity up to 200 chicks.

No. UB42, \$9.80.



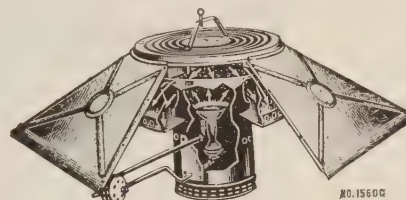
Oakes Gas-Burning Brooder

Hangs From Ceiling Broods 350 Chicks



Broods chicks efficiently, safely and economically when used in good brooder house. Has heavy cast-iron burner that produces an abundance of heat. Burns natural or artificial gas. Gas regulator insures an even brooding temperature. Sturdy canopy, 54 in. in diameter. No. 748B, \$24.60.

Oakes "Drum Type" Gas-Burning Brooder



For all-round simplicity, convenience, economy and efficiency no other gas brooder will compare with this improved brooder. Heater drum is 22 $\frac{3}{4}$ inches in diameter. Has galvanized steel canopy, 60 inches in diameter, and gas regulator. Burns natural or artificial gas. Sets on floor for ordinary use but hanger bracket provides means of lifting entire brooder off the floor when heat is no longer required or when changing litter in brooder house. No. 1560G, \$32.50.

Accessory Kit. Consists of 8 feet flexible gas hose, 2 hose clamps, and 2 swivel type pulleys (no rope) to hoist stove unit off floor. For use with either of above gas-burning brooders. Directions for installation furnished with it. No. 1555. \$2.80.



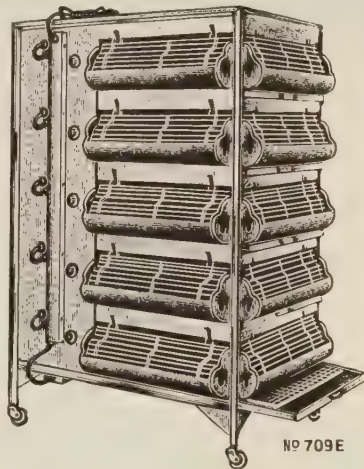
Oakes "DeLuxe" Oil Brooder

Designed to give ideal performance under widest range of operating conditions. Has big, heavy, blue-steel heater drum; air-fed, wickless type burner; automatic heat regulator; 60-inch heavy gauge steel canopy; 7-gallon fuel tank; draft equalizer; and all necessary fittings. Burns kerosene or 38/40 distillate. Broods up to 500 chicks. No. 560, \$35.20.

SUNNY SOUTH OIL BROODER. For economy this brooder has no superior. Automatic fuel and temperature control insures even heat. Has wickless cast-iron burner; 48-inch hexagonal canopy; 4 $\frac{1}{2}$ -gallon fuel tank and steel heater drum. Burns kerosene or 38/40 distillate. Broods up to 300 chicks. (Not illustrated.) No. 3648, \$20.75.

Oakes "Life Saver" Electric Battery Brooder

A very practical and substantial unit for starting chicks and brooding first 3 to 5 weeks. Metal construction throughout—strong and sturdy; portable—can be rolled any place easily. Automatic temperature control in each compartment. Droppings-pans and $\frac{1}{2}$ -inch mesh wire floor, removable from front and rear. Each compartment has 2 feed-troughs and 1 water-trough. Total floor-space in 5 compartments, 6,960 square inches. Capacity, 750 day-old chicks. Shipped knocked down. No. 709E, \$163.



Oakes "Backwarmer Twin" Electric Starter

Sanitary
Convenient
Portable

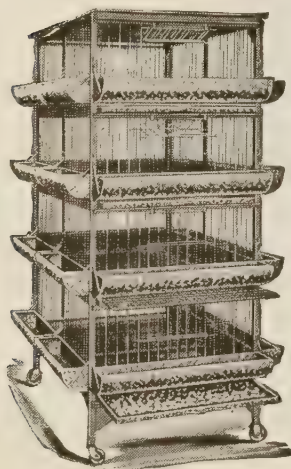
Furnished with 4 decks, each deck divided into 2 compartments. Suspended hover for each compartment. Hovers can be removed so as to convert to growing battery. Ample head room for chicks to 4 or 5 weeks old. Each deck has a capacity of 310 to 350 chicks and has $16\frac{1}{2}$ feet of feeding and watering space. Well built throughout and mounted on swivel casters. Shipped K.D. No. 1240, \$247.



Oakes Growing Battery

Designed for use as an intermediate Battery in broiler plants. Has 11-inch head room and capacity of 350 four-week-old chicks. Circular on request. No. 331, \$124.

Oakes Finishing Battery (Capacity, 120 Broilers)

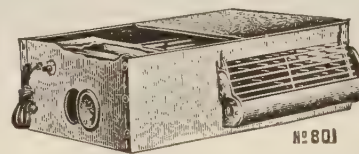


All metal construction—sturdy, strong, sanitary. Has 4 decks, 8 compartments; 14-inch head room, total floor space 5,777 square inches. Capacity, 120 broilers up to $2\frac{1}{2}$ pounds or 48 to 56 hens. Overall height 72 inches. Patented self-locking doors; woven wire floors; removable droppings-pans; ample feeding and watering space; troughs adjustable to 3 positions. Shipped K.D. No. 324, \$106.40.

Oakes 25 Per Week Broiler Plant

Consists of 2 starting units, 1 grower unit and 2 finishing units. Circular on request. No. 340, \$123.40.

Oakes "Gro-Ezy" Electric Brooder



This Brooder makes the battery brooding method possible to poultrymen at surprisingly low cost. Can be operated in basement, garage or any room where temperature does not fall below 70 degrees. Made entirely of metal. Thousands in use. Has two compartments divided by curtain. Chicks are brooded in enclosed section; they eat, drink and exercise in front area. Has three troughs—front trough for water, two side troughs for feed. Thermostat maintains the right degree of heat, once adjusted. Outside dimensions 31 by 39 by 11 inches. Capacity, 100 day-old chicks, about 20 chicks 4 weeks old. No. 801A, \$18.40.

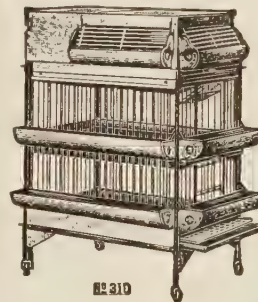
5 Deck "Gro-Ezy" Battery

Consists of 5 No. 801A Units and angle iron frame Rack to hold the 5 Units. One No. 805 Battery and one No. 324 Finishing Battery (described in left column) will produce 35 broilers weekly. No. 805, \$121.70.

Oakes Brood-N-Gro Battery Unit

A Home Broiler Plant

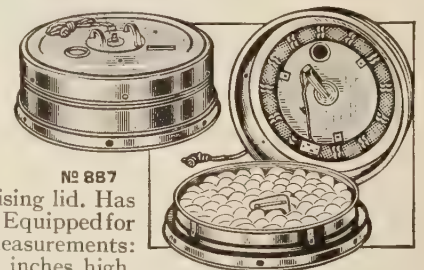
Produces 40 finished broilers monthly after first 8 weeks of operation. Top unit is Gro-Ezy No. 801 A. described above. Bottom unit is 2-deck finishing battery. Head room 14 inches. Floor space required 30 by 40 inches. Height 53 inches. Angle iron frame mounted on swivel casters. Shipped K.D. No. 310, \$54.60.



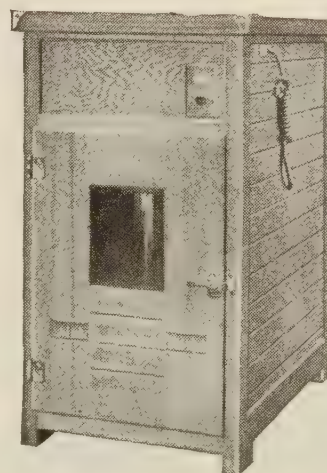
Oakes Electric Incubator

All metal construction. Temperature controlled by wafer-operated switch. Case is heavily insulated to prevent heat waste.

Inspection window in lid permits checking thermometer without raising lid. Has 80-watt heating element. Equipped for 110 volt A.C. Overall measurements: $23\frac{1}{2}$ inches diameter, 8 inches high. Hatches domestic or game bird eggs. Capacity 100 hen eggs. No. 887, \$19.20.

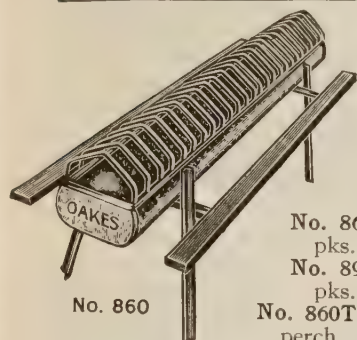


Leland Wilson Electric Incubator



A Wilson Incubator will save you more money because it will pay for itself in two or three hatches. Cabinet made of full thickness California redwood. It has many exclusive features: circulating air, automatic temperature control, moisture indicator and control, and Underwriters approval. The machine can be used for continuous hatching; all or any part of the capacity can be used. The operating cost is low—about 60 kw hours of electricity will complete the hatch in the 624-egg size. Equipped for 110-volt A.C. Shipped complete ready to plug in socket.

416-egg size, \$81; 624-egg size, \$110; 1200-egg size, \$180.



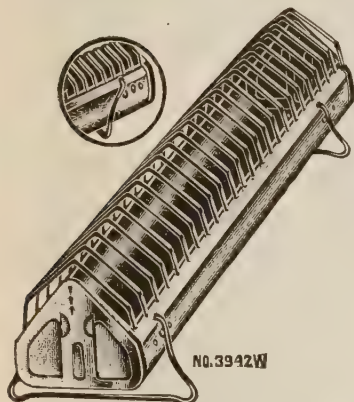
Oakes Flock Feeders

Trough made of heavy galvanized steel, extreme width 9 $\frac{3}{4}$ inches, depth 4 $\frac{1}{2}$ inches. Perch 16 inches from floor. Has hinged wire grill with feeding spaces 3 inches wide.

No. 860. Trough 5 ft. long, capacity 4 $\frac{1}{2}$ pks. \$6.95.

No. 896. Trough 8 ft. long, capacity 7 pks. \$10.50.

No. 860T. Has steel legs 9 inches long, no perch. Same trough as No. 860. Dandy feeder for heavy chickens, pullets or small flock of hens. (Not illustrated.) \$4.50.



Oakes Broiler Feeders

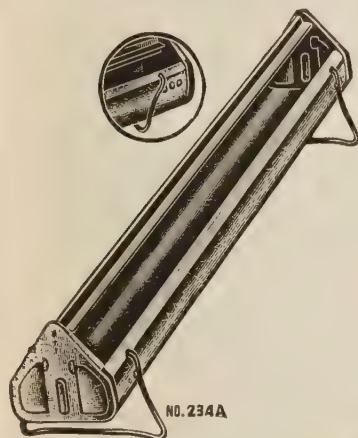
Substantially made and especially designed for growing chicks, broilers and pullets. Furnished in two styles—hinged wire guard and revolving reel and 2 sizes in revolving reel style. Feeders adjustable to 3 positions in height from floor by means of adjustable stand.

No. 3942W. Length 42 in., capacity about 15 qts. \$2.45.

Revolving Reel Type

No. 3948R. Length 48 ins., capacity about 17 qts. \$2.65.

No. 3960R. Length 60 ins., capacity about 24 qts. \$3.60.



Oakes "Gro-Fast" All-Purpose Feeder

For chicks day-old to 12 weeks. Both stand and reel are adjustable. Trough 48 inches long, capacity 9 quarts of feed.

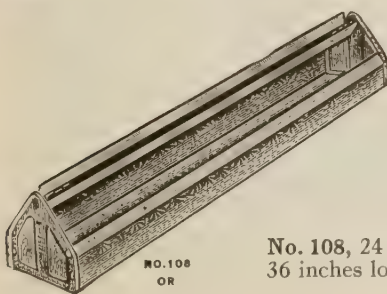
No. 234A, \$2.20.



Oakes Streamline Chick Feeders

Suitable for day-olds to 8 weeks. Galvanized steel trough 4 inches by 2 inches. Furnished with adjustable legs and 4-blade reel.

No. 436, 36-in. trough \$1.45.
No. 448, 48-in. trough \$1.80.



Oakes "Enfold" Chick Feeders

Die-stamped square-bottom feeder. For day-olds to 5 weeks. Adjustable "Z" type metal reel. Trough made of galvanized steel, 3 $\frac{1}{2}$ inches by 1 $\frac{3}{4}$ inches.

No. 108, 24 inches long 65 cts.; No. 109, 36 inches long 85 cts.

Oakes "Never-Dry" Watering Trough

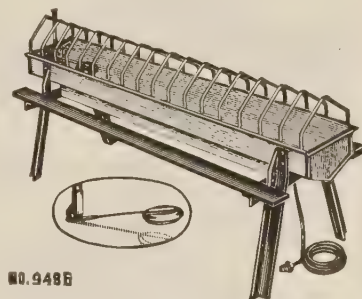
This trough will serve 100 to 150 hens at lowest possible cost. Trough has V-shaped bottom with drain plug in end and is 48 inches long. Roost-proof wire guard is hinged for easy cleaning of trough.

No. 948X, without heater \$8.70.

No. 9480X, lamp heated \$14.05.

No. 948EX, electric heated \$14.70.

No. 948F, Automatic Float Valve, if wanted, additional, \$2.15.



Oakes 8-Gallon Heated Fountain

Heated Waterers Pay

An ideal heated waterer for the laying house when used with fountain heater and stand. Fountain is made of heavy gauge galvanized steel; double wall construction; operates on vacuum principle.

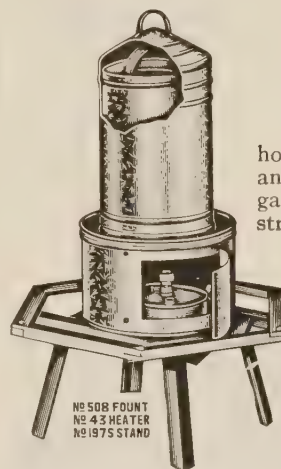
Water is necessary for egg production, 100 hens drink 8 gallons per day at the right temperature. It pays for itself in the extra eggs.

No. 508. Fountain only. . . . \$6 75

No. 43. Lamp heater. . . . 4 05

No. 197S. Stand. 4 35

Complete, as illustrated. . . 15 15



Oakes Double Wall Fountains

A substantially built fountain, suitable for birds of all ages. Outer can locks over rivet in inner can for easy carrying. Operates on vacuum principle. Made of heavy-gauge Armco zinc-grip steel. Can be used with heater. See page 91.

No. 502, 2-gal. \$2.50. No. 503, 3-gal. \$3.20. No. 505, 5-gal. \$4.50.



Oakes "Two-Piece" Fountains

Most popular chick Fountain. Operates on vacuum principle. Can fit snugly into pan and held in place by friction. Made of galvanized steel. Easy to keep clean and sanitary. Has 6 drinking cups.

No. 77. Capacity 1 gallon. \$1 15

No. 100C. Capacity 2 gallons. . . . 1 50

No. 103. Capacity 3 gallons. Has flaring side pan and bail on tank. . . 2 30

No. 100C

Oakes Mason Jar and Glass Founts

Convenient, cheap, and sanitary chick waterers. Fits pint, quart or half-gallon Mason jars. Jars not furnished.

Each Doz.

No. 69G. Galvanized. \$0 20 \$1 85

No. 64. Glass. 20 1 95



No. 69G



Jamesway Poultry Equipment

EQUIPMENT THAT MAKES BIG EGG YIELDS

Jamesway Poultry Equipment is built for the discriminating buyer who buys equipment not because of the price, but because of the service it will render in increasing egg yields, in keeping hens healthy and contented, and in making it easier to care for them.

Jamesway Electric Hover

No. 1242.
Capacity
500 Chicks



The choice of better poultrymen everywhere. Their air-conditioned chicks are hardier and feathered better when brooded this modern, easy, economical way. New air and heat distribution principle prevents hot and cold spots. Chicks make use of entire brooding area—no crowding or piling up. Strongly built. Has gal-

vanized canopy. For 110-volt A.C.

No. 1240. Canopy 48 inches square, 350-chick capacity. \$46.35.

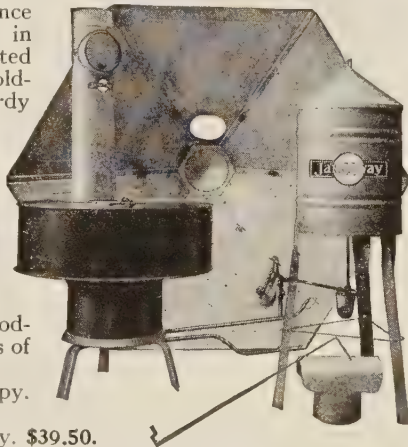
No. 1242. Canopy 48 inches by 72 inches, 500-chick capacity. \$58.

Jamesway Oil-Burning Brooder

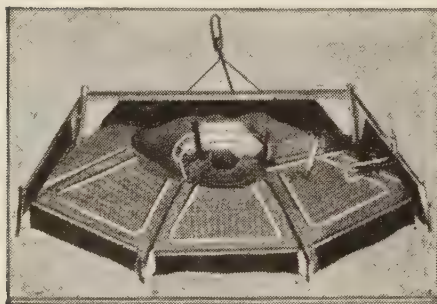
Produces an abundance of heat. Can be used in well-insulated, unheated brooder houses in the coldest of weather. Has sturdy well-designed steel drum and body. Galvanized steel canopy has hinged opening that makes all working parts accessible. Uses 38-40 or No. 1 light fuel oil or distillate. Capacity of oil tank, 5 gallons. Like all Jamesway equipment, this Brooder is built for many years of dependable service.

No. 1146. 52-inch canopy. \$36.45.

No. 1147. 60-inch canopy. \$39.50.



Jamesway Gas-Burning Brooder



A dependable Brooder that is economical in operation and capable of rendering many years of service. The burner produces an abundance of heat and the heating unit is so designed that the heat is evenly distributed to all areas beneath the hover.

Has 72-inch galvanized steel hexagonal hover. Can be operated on either natural or manufactured gas. No. 1572. \$52.40.

Jamesway Coal-Burning Brooder

Made with heavy cast iron body with fins which nearly double the radiating surface, provide steadier heat and cut fuel costs. Has 60-inch galvanized canopy. Burns hard or soft coal. Coal capacity 80 pounds. Chick capacity 350 to 500 chicks. Circular on request. No. 1960, \$35.

Jamesway Universal Battery Brooder



The Jamesway Universal meets all Battery Brooder requirements and has been a favorite with poultrymen for many years. Sturdy galvanized metal construction. Measures 46 inches wide, 73 inches long and 70 inches high overall. Has five decks, each divided into two compartments for greater convenience in handling the birds. Separates into three and two-deck sections for easy portability when cleaning and moving. Equipped with long-

life heating elements, thermostatically controlled, that are adjustable up and down by the simple turning of a crank. Shipped knocked down. Descriptive circular on request. No. 2371. \$272.50.

Jamesway Poultry Waterer

This big flock-size Waterer supplies water for flocks of about 150 mature birds for a whole day without refilling. Room for 15 to 20 hens. Built of heavy sheets. Heavy one-piece pan has rolled edges—can't leak—no seams to break out—easy to keep clean and sanitary. Has brass valve operated by copper float.

Capacity 8 gallons. Without base it may be used for baby chicks. With lamp-heated base it makes an excellent Waterer for winter use.

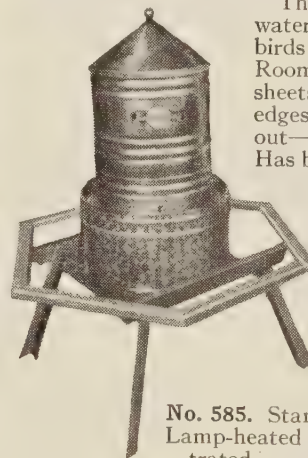
No. 1616. Without base... \$6 95

No. 1612. With lamp-heated base... 9 65

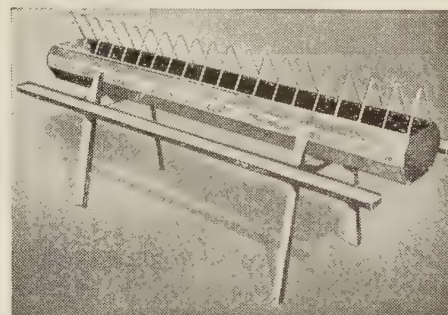
No. 1614. With electrically heated base... 12 35

No. 585. Stand... 2 40

Lamp-heated fountain and stand as illustrated... 12 05



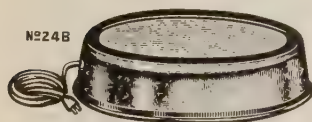
Jamesway Open-Trough Mash Feeder



Big, roomy trough for feeding dry or wet mash. Wire guard prevents hens from getting into trough. Wide lip on trough keeps hens from pulling mash out on floor. Trough is 10 inches wide and 5½ inches deep. Perches are 20 inches from floor. Length 5 feet. Holds 50 pounds of mash. No. 525,

\$7.35. No. 875. Same Feeder as No. 525 but has short legs and no perches. (Not illustrated.) \$6.10.

Oakes Electric Fountain Heater



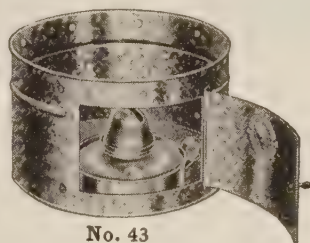
Can be used with any poultry fountain. Has factory-set thermostat control and 100-watt heater. Made of galvanized steel. For 110-120 volt A.C. No. 24B, \$6.

Oakes Oil Fountain Heaters

Can be used with almost any type water fountain and effectively prevents water from freezing. Made of galvanized steel. Furnished with lamp bowl and burner.

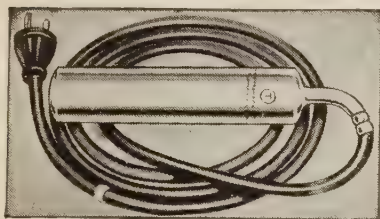
No. 42. Fits No. 503 Fountain, \$3.35.

No. 43. Fits 505 and No. 508 Fountains, \$4.05.



No. 43

Trumbull Automatic Electric Poultry Water Warmer

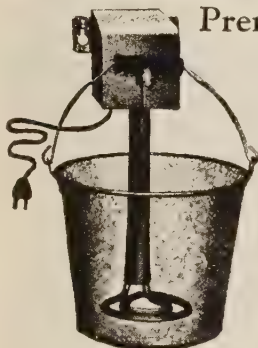


For use in any fountain, pail or trough. Will hold water at 50° automatically. Case made of non-corrosive alloy. Lead cord made of Neoprene to overcome the short life of pure rubber. Operating cost is very low. For 110-volt A.C. No. T100, \$4.50.

Premier Electric Water Heater

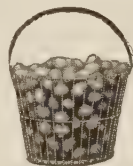
HOT WATER BY THE PAIL

You will find dozens of uses for this portable Electric Water Heater. Anywhere, any time you need hot water, the Premier Electric Water Heater is your answer. Unit does not heat until bucket with water is hung on the switch lever. Shuts off automatically when bucket is removed. Has 1500-watt heating unit. Rugged, heavy metal construction. No. P20, \$17.95.



Oakes Egg-Cooling Basket

For gathering and quick cooling of eggs. Galvanized wires and bottom. Top diameter 12 inches, bottom 10 inches, depth 8½ inches. New shape prevents egg breakage. Capacity 15 dozen 26-oz. eggs. No. 15A, \$1.25.

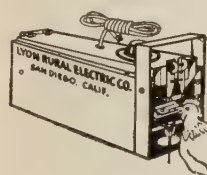


Electric Poultry Time Switch

HELPS INCREASE EGG PRODUCTION

Simple and dependable in operation. All-steel cabinet 7½ in. by 4½ in. by 3¼ in. For morning lighting turns lights on dim, then bright, then off. For evening, turns lights on, then dim, then off. Completely automatic. Easily installed. For 110-volt A.C.

No. 162P, \$14.85.



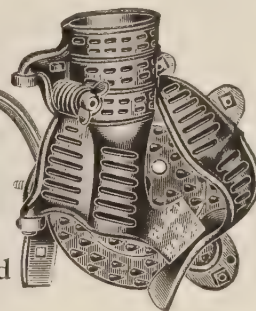
Lyon Super Debeaker

This device stops cannibalism, picking, fighting and egg-eating. Fast and humane—easy to do. Temperature of cauterizing blade is adjustable for chicks, hens or turkeys. Operates on 110-volt A.C. \$28.90.



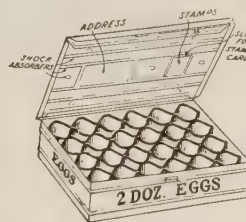
Black Hawk Corn Sheller

The Black Hawk Corn Sheller has enclosed hopper and separator. This prevents scattering of the shelled corn. A wonderfully fast and easy-running Sheller. Instantly fastened to barrel or box by two large strong clamps with wing nuts. \$6.75.



Aluminized Metal Egg Crate

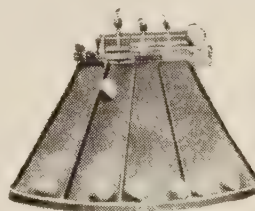
Solves every problem for shipping eggs by parcel post. Built for continued use; practically indestructible; lasts for years. No wrapping is required. Fillers have metal edge.



	Each	Ppd.		Each	Ppd.
1-doz. size.....	\$1 75	\$1 92	4-doz. size.....	\$3 00	\$3 25
2-doz. size.....	2 00	2 20	6-doz. size.....	3 50	3 75
3-doz. size.....	2 50	2 70			

L & W Egg Grader

Precision built, mechanical in operation, automatically separating eggs into any four grades desired. Grades 3 to 5 cases per hour. Has molded sponge rubber tray, 20 by 24 inches. Weighs less than 6 pounds \$21.95.

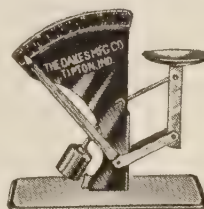


Oakes Egg Candler

This Candler is quick in action and shows every defect in the egg instantly. Can be used in vertical or horizontal position. Complete, including drop cord and plug-in connection. No. 195, \$2.35, postpaid.



Oakes Egg Scale and Grader



Accurate, dependable, fast, easy to read. Individual egg weight and weight per dozen are indicated on the double dial. Dial is black with white figures. Egg cup, lever parts and counterweight are rust-proof chromium plated. No. 20S, \$1.80.

Oakes Aluminum Leg-Bands



Made of aluminum. Double lock adjustable. Fits any fowl. Numbered 1 to 100.

12 Bands.....	\$0 15	50 Bands.....	\$0 45	500 Bands....	\$3 50
25 Bands.....	25	100 Bands....	80	1000 Bands...	6 75

Oakes Celluloid Leg-Bands



In ten colors—Red, Green, Purple, Black, White, Pink, Yellow, Ruby, Light Blue, and Dark Blue.

Mark each bird for its pen. Mark old birds and pullets differently.

No. 4. For Baby Chicks.	No. 11. For American Breeds.
No. 5. For Pigeons.	No. 12. For Asiatic Breeds.
No. 6. For Growing Chicks.	No. 13. For Turkeys.
No. 9. For Leghorns.	

Prices, postpaid	No. 4	No. 5	No. 6	No. 9	No. 11	No. 12	No. 13
25 Bands	\$0 15	\$0 15	\$0 20	\$0 25	\$0 30	\$0 30	\$0 35
50 Bands	25	25	30	40	45	50	60
100 Bands	40	45	50	70	75	85	1 10
500 Bands	1 70	1 80	2 15	3 10	3 50	3 90	4 90

Jamesway Chick Waterer

Accommodates 50 to 150 Chicks. Only two parts, a pail and a heavy one-piece pan. Vacuum type. Can't leak or flood. Capacity 7 quarts.

No. 1407, \$2.15.



Jamesway 3-Gallon Waterer

Popular for large broods of chicks or for growing flocks. Water level controlled by copper float operating brass valve. Capacity 3 gallons. No. 1655, \$3.45.

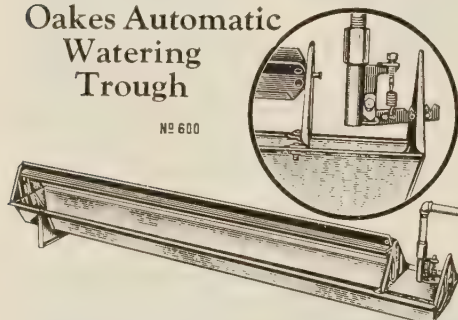
Jamesway Pressure Waterers

Sturdily built, simple in design and operation. Dome top and vertical rod handle prevents roosting. Has brass valve and copper float. Operates on water line with pressures up to 75 pounds or on gravity flow from barrel or other container. Furnished with a 2-foot length of hose. Very popular among turkymen. Comes in two styles. No. 1618. With base as illustrated. \$8.95. No. 1617. With 3-inch base for chicks. \$8.35.



Oakes Automatic Watering Trough

No. 600



A completely automatic fountain that will provide poultry with a constant supply of clean water at all times. Two-way valve permits water to flow into trough until it is filled, when weight of water in trough shuts off water. Overall length of trough 46½ inches. Capacity 10 quarts.

No. 600. With valve. \$4.65.

No. 622. Automatic two-way valve. Made entirely of brass. Can be used in other troughs. Sold separately. \$2.35.

Day-Old Chicks

We make a specialty of furnishing all popular breeds of Day-old Chicks, Ducklings and Turkey Poults during the season. All are selected with extreme care from blood-tested flocks from reliable hatcheries. Prices on request.

Oakes "Lice-Proof" Nest



No. 580A

Made of heavy-gauge galvanized steel. Each nest 11½ inches wide by 13 inches deep; 9-inch entrance hole. Sloping roof prevents roosting. Overall length 57¾ inches. To clean simply lift nest away from the wall. Hinged backs swing out of the way so that litter is easily shaken out of the nests. Punched so that trap doors may be added.

No. 580A. 10-nest unit. \$16.40.

No. 585A. 15-nest unit. \$23.30.

No. 590. Traps if wanted, \$4.25 per set of 5 additional.

Incubator and Brooder Extras

No. 416W, Wafer. Universal type. Fits most all makes of coal and oil brooders. 55 cts.

No. 6W, Wafer. Fits most all makes of electric brooders. 55 cts.

No. 263A, Incubator Thermometer. With metal stand. \$1.20.

No. 1265, Brooder Thermometer. Length 4½ inches. 40 cts.

No. 266, Brooder Thermometer. For most electric brooders. 8 inches long. 50 cts.

No. HE99, Thermostat Switch. Complete with wafer. \$2.55.

No. 85C, Revolving Chimney Cap. \$1.10.

No. 155, Draft Equalizer. Helps to prevent back drafts. \$1.15.

No. 123, Brooder Stove Pipe. 5-in. diam. Per length 75 cts.

No. 143, Roof Saddle. For 5-in. pipe. \$2.50

No. 1530, Oakes Revolving Head Ventilator. Fits any pitch roof up to 25°. Counter-balanced head revolves on ball-bearing axle. 12-inch diameter flue. Entire assembly is 30 inches high. Easy to install. \$15.



CELO-GLASS Poultry Houses are Health Houses

Cel-O-Glass brings the all-important ultra-violet rays indoors; keeps houses warmer, prevents rickets, reduces chick losses.

This time-tested profit-maker for poultry raisers and farmers is now guaranteed to give 5 years' service when correctly installed.

Being flexible it is easy to handle and put up. Can't break like glass, and can't tear like cloth. Circular and sample on request.

	36-in. width	28-in. width
100 lineal feet.....	\$45 60	\$35 50
50 lineal feet.....	23 30	18 25
25 lineal feet.....	11 90	9 40
Less than 25 feet any desired length, per lineal foot	55	45

Genuine Glass Cloth

A strong fabric treated by a patented process to make it translucent, weather-proof, and water-proof. It readily transmits the life-giving vitalizing ultra-violet rays of the sun needed by poultry in winter months. Easily put up. In rolls 36 inches wide.

100-yd. roll, 900 sq. ft.....	\$44 00
50-yd. roll, 450 sq. ft.....	22 50
15-yd. roll, 135 sq. ft.....	6 90
10-yd. roll, 90 sq. ft.....	4 60
Less than 10 yds., per yd.....	55

R-V-Lite Vitapane

The new transparent glass substitute for installation in poultry-and brooder-house windows, cold and hotbed frames, storm-doors, etc. It is made from transparent cellulose acetate, reinforced with a tough netting fabric. High transmission of ultra-violet rays. Durable, lightweight, water-proof, easy to install. 36 in. wide. 50-ft. roll, \$11.35; cut lengths, 25 cts. per lineal ft.

OAKES HOG FEEDERS AND FOUNTAINS

Experiments show that self-fed hogs gain weight faster than by the old-fashioned hand method. Oakes Hog Feeders are made of heavy galvanized steel and are designed to give long service under rough usage.



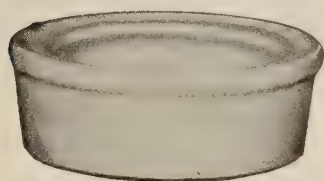
No. 411

Hog Feeders	Doors	Capacity	
No. 420.....	2	6 bus.	\$20 80
No. 411.....	4	10 bus.	37 40
No. 421.....	8	20 bus.	61 25
No. 431.....	12	30 bus.	77 35

Hog Fountains

No. C74. Capacity about 78 gallons. Lamp heated.	\$51.00.
No. C74E. Capacity about 78 gallons. Electric heated.	\$51.00.
No. C95. Summer type. Makes an ideal range waterer for turkeys. 100-gal. capacity.	\$42.

Stoneware Feeders and Waterers



Made of high-grade stoneware. White glazed; sanitary and easy to clean. Suitable for dogs or rabbits.

Feeder	Diam.	Depth	Ea.	Doz.
No. 1 . . .	5 1/4-in.	2 1/2-in.	\$0 50	\$5 50
No. 2 . . .	7 1/2-in.	3 -in.	55	6 00
Waterer				
No. 3 . . .	7 1/4-in.	3 -in.	55	6 00
No. 5 . . .	7 1/4-in.	4 -in.	65	7 00

Nos. 1 and 2 have rolled edge to prevent waste of feed. No. 3 has straight side and edge. No. 5 has rounded bottom inside, will not break by freezing.

We do not accept orders for these feeders and waterers for shipment or delivery. Sold only at our store.

Oakes Feeder or Waterer

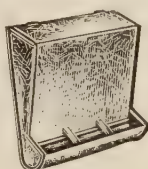


An ideal feeder or waterer for small flocks of hens or a good low-priced range feeder for growing pullets. Both wire guard and pan are galvanized. Capacity about 10 qts.

Can be used with No. 197S stand shown on page 89. \$1.95.

Oakes Grit and Shell Box

Has three compartments for grit, oyster shell and charcoal. Made of heavy galvanized steel with hinged lid for easy filling. 16 inches long, capacity 12 quarts. No. 47, \$3.30.



Weedone Brush Killer 32

Kills Weeds and Woody Plants

Contains 2,4-D and 2,4,5-T the two most effective chemicals for killing weeds and woody plants. Recommended for use on fence rows, along roadsides or any area where both brush and weeds are present. Kills without injury to grasses or nearby susceptible crops. Comes ready to use—simply mix with water and spray. Circular on request. 1-qt. can \$4, 1-gal. can \$8.75, 5-gal. can \$41.85, 30-gal. drum \$229.50.

Star "Death to Rats"

Contains red Squill an effective ingredient for rat eradication. Easy to use—comes in pellet form—place pellets where rats travel. Pkg. 15 pellets 25 cts.

Dr. Salsbury's Poultry Medicines

As a member of Dr. Salsbury's Nation-Wide Poultry Health Service, we have, at all times, the latest bulletins, booklets, and literature of the scientific poultry world.

Avi-Ton. For chickens and turkeys. Avi-Ton is a flock treatment for the removal of large roundworms and cecal worms. Also contains ingredients that are recognized as having a beneficial effect on digestion. In powder form. Avi-Ton mixes easily in wet or dry mash. 10-oz. pkg. 60 cts., 4-lb. pkg. \$2.70, 6-lb. pkg. \$3.60, 15-lb. pkg. \$8.85, 25-lb. drum \$13.50.

Can-Pho-Sal. An inhalant and nasal wash for poultry. Relieves upper respiratory congestion by removing accumulated mucus from nostrils and mouth. When diluted with water, may be sprayed or vaporized in the poultry house. 2-oz. bottle 45 cts., 4-oz. bottle 70 cts., 1/2-pt. bottle \$1.20, 1-pt. bottle \$2.10, 1-qt. bottle \$3.75, gal. \$12.75.

Ren-O-Sal. A double-purpose drinking-water medicine. For chickens and turkeys. Contains 3-nitro 4-hydroxy phenylarsonic acid, which (1) supplies the G. S. factor (stimulates growth, improves feathering and coloring, encourages early laying) and (2) prevents the spread of cecal coccidiosis in chickens. In tablet form. Mixes easily in the water. 25 tablets 35 cts., 100 tablets \$1.10, 250 tablets \$2.35, 500 tablets \$4.20, 1000 tablets \$7.50.

Par-O-San. General disinfectant for poultry houses, incubators, brooding equipment, barns, etc. Diluted with water, may be sprayed or applied with a scrub brush or broom. Kills viruses causing Newcastle disease, fowl pox, and laryngotracheitis; and bacteria causing pullover disease, typhoid, and cholera. One quart makes 32 gallons of disinfectant. Pleasant in odor. Easy to use. 1/2-pt. bottle 60 cts., 1-pt. bottle \$1.10, 1-qt. bottle \$2, 1-gal. bottle \$6.50.

Nic-Sal. Kills lice and feather mites on poultry by application on roosts. Applied with applicator can. Diluted with fuel oil, may be sprayed for control of red mites. One pint treats 350 feet of roosts. 1/2-pt. bottle 90 cts., 1-pt. bottle \$1.50, 1-qt. bottle \$2.70.

Rota-Caps. Tablet treatment. Removes large roundworms and intestinal capillaria worms from chickens and turkeys. No toxic after-effect; no loss of egg production or set-back in growth. Adult size: 50 capsules 75 cts., 100 capsules \$1.35, 200 capsules \$2.50.

Sulquin Liquid. For control of coccidiosis (cecal, intestinal, and turkey) and control of acute fowl cholera in chickens and turkeys. Contains sodium sulfamonomethoxime. One pint treats about 125 birds. 1/2-pt. 70 cts., pt. \$1.20, qt. \$2.20, gal. \$7.

Ar-Sulfa. A drinking-water medicine. Controls infectious coryza (commonly called "colds") in poultry. One pint treats about 85 adult birds. 1/2-pt. \$1.05, pt. \$1.90, qt. \$3.40, gal. \$11.50.

Pratts Poultry Health Products

Pratts Poultry Regulator. This famous old egg-stimulating trace mineral product is now better than ever. It has B-G complex vitamins added. It keeps the birds reserves of trace minerals and B-G complex vitamins high enough to make up for deficiencies in feed stuffs. Also a valuable tonic after molt. Pkgs. 40 cts., 80 cts., and \$1.60; 12 1/2-lb. pkg. \$2.85, 35-lb. carton \$7.50, 100-lb. bag \$17.

Pratts Dip and Disinfectant. Should be used liberally by all livestock and poultry owners to help control worms, lice, and all diseases. Pt. 75 cts., qt. \$1.25, gal. \$3.

Pratts Poultry Tablets. Helps keep drinking-water safe and thereby prevents spread of colds and "roupy" condition through the flock. Pkgs. 35 cts. and 70 cts.

Pratts Poultry Inhalant. Loosens mucus in nose and throat, giving relief from the "stopped-up" feeling from colds. Sprayed while birds roost. 1-pt. bottle 75 cts., 1-qt. bottle \$1.35, 1-gal. bottle \$3.75.

C-Ka-Gen. Stops heavy losses from bloody coccidiosis. Works by the "immunity" (permanent protection) method. Given in the feed, no handling of birds. Pkg. (50 chicks) 90 cts., pkg. (100 chicks) \$1.60.

"Split Action" Worm Capsules. Wormy birds cannot lay or grow profitably. Each "Split Action" Capsule does the work of two ordinary treatments. They contain phenothiazine, the new miracle wormer that is nearly 100 per cent effective against cecum worms, and nicotine, which is the most effective drug known for large roundworms. Suitable for both chickens and turkeys.

Adult Size: 50 capsules 85 cts., 100 capsules \$1.50, 500 capsules \$6, 1,000 capsules \$11.25, postpaid.

Chick Size: 50 capsules 55 cts., 100 capsules \$1, 500 capsules \$4.35, 1,000 capsules \$7.35, postpaid.

Pratts Poultry Worm Powder. A flock treatment for large round and cecum worms. Just add it to the mash. Contains phenothiazine and a special shockless nicotine. 4-oz. pkg. 50 cts., 8-oz. pkg. 90 cts., 1-lb. pkg. \$1.75.

Pratts Roost Paint. A "double-action" combination of BHC and DDT. Kills lice and mites by both fumes and contact. Easy to apply to roosts and cross arms. No handling of birds; safe and non-tainting. 4 ozs. 50 cts., 1/2 pt. 75 cts., pt. \$1.25, qt. \$1.85, gal. \$6.50.

Pik-No-Mor. Valuable in preventing and stopping outbreaks of feather picking, toe picking and other forms of cannibalism. 2-oz. pkg. 30 cts., 5-oz. pkg. 60 cts., 1-lb. pkg. \$1.25.

Pratts Powdered Lice Killer. Valuable for delousing poultry, stock and pets. Contains DDT. Pkgs. 50 cts. and \$1.

Farmrite Egg Preservative. One quart will make sufficient solution to preserve 20 dozen fresh eggs. Easy to do, and the results are very satisfactory. Pt. 30 cts., qt. 50 cts., gal. \$1.75.

Dr. Hess Products

Dr. Hess Poultry Pan-A-Min. Its tonics promote appetite; keep hens healthy; start pullets and moulted hens to laying. Formerly known as Dr. Hess Panacea.

1½-lb. pkg. 40 cts., 5-lb. pkg. \$1.10, 10-lb. pkg. \$1.90, 35-lb. pkg. \$5.25, 100-lb. drum \$13.

Dr. Hess PTZ Powder. Effective in the removal of cecal worms in poultry. Recommended dosage, one-half gram per bird added to the ground feed. Made with phenothiazine.

4-oz. pkg. 75 cts., 1¼-lb. pkg. \$2.10, 4½-lb. pkg. \$7.20, postpaid.

Dr. Hess N.F.Z. For the prevention and control of cecal (bloody) coccidiosis and the treatment of pullorum in poultry. Safe, effective, convenient and economical. For coccidiosis feed N.F.Z. at the rate of one pound in 100 pounds of mash for 4 or 5 days.

1-lb. pkg. \$1.50, 5-lb. pkg. \$6, 20-lb. pail \$18.

Dr. Hess Anturat. Contains new chemical antu, discovered at Johns Hopkins Hospital. Easy to use with a variety of baits, as a tracing poison or in drinking-water. Effective and safe. More poisonous to rats than to other animals.

1½-oz. pkg. 65 cts., 4-oz. pkg. \$1.50, 8-oz. pkg. \$2.50.

Dr. Hess Powdered Louse-Killer. Effective in ridding poultry of lice and mites. Lb. pkg. 60 cts., 2½-lb. pkg. \$1.25.

Burrell-Dugger Poultry Remedies

Don Sung. A mineral supplement for laying hens given in the mash feed. Successfully used and recommended for years by large and small poultry raisers from coast to coast. 2¼-oz. pkg. (sufficient for 15 hens for 30 days) 50 cts., 7½-oz. pkg. \$1, 3-lb. pkg. \$5.

Avicol. An aid in protecting drinking-water of chicks from harmful effects of bacterial contamination. For all poultry, and for turkeys, ducks, and geese. Pkg. of 60 tablets 50 cts., pkg. of 180 tablets \$1, economy pkg. (six times the \$1 pkg.) \$5.

Group-Over. A soothing, antiseptic application for the mucous membranes of the mouth and nostrils of poultry. Group-Over as an individual treatment and as a vapor will be found a valuable aid in expelling the accumulations of such mucus in the upper nasal passage. 3-oz. bottle 50 cts., 8-oz. bottle \$1, 1-qt. bottle \$3.

Lee's Germozone

Germozone helps prevent the spread of germs through the drinking-water, and medicates the digestive tract. Give to baby chicks and birds of all ages. 4-oz. bottle 50 cts., 12-oz. bottle 90 cts., 32-oz. bottle \$1.75, 1-gal. bottle \$5.25.

Lee's Acidox

A preventive and treatment for cecal coccidiosis, along with sanitation. An effective drinking-water medicine, economical to use, very adaptable to your control program. 4-oz. bottle 50 cts., 12-oz. bottle \$1, 32-oz. bottle \$2, 1-gal. bottle \$6.50.

Toxite Disinfectant Spray

A dependable, all-year-round germ killer and insecticide that will neither freeze nor evaporate; also used widely as an inhalant for colds in poultry. Especially adapted for keeping poultry houses, stables, etc., free from disease germs and insect pests such as red mites. Kills by contact household pests such as bedbugs, ants, roaches, fleas, termites. Particularly recommended for controlling coccidiosis and in the treatment of mange. Apply with ordinary sprayer.

10 ozs. 35 cts., qt. 90 cts., gal. \$2.25, 5-gal. drum \$9.

B-K Poultry Disinfectant

A powerful quick-acting hypochlorite disinfectant used as an aid in preventing the spread of diseases by contaminated equipment and drinking-water. It is not only a powerful disinfectant, but also a deodorant.

B-K Powder is used as a dry expectorant dust and is applied by means of a dust gun over the heads of baby chicks and adult birds infected with colds, simple bronchitis and infectious bronchitis.

B-K Powder. 9½-oz. bottle 85 cts., 1¾-lb. bottle \$1.70.

B-K Liquid. 4-oz. bottle 30 cts., 10-oz. bottle 50 cts., 1-qt. bottle 90 cts., 1-gal. bottle \$2, 5-gal. jug \$8.50.

HTH-15

Don't let colds and other respiratory troubles sap the strength of your breeding flocks. Dust with HTH-15 to prevent and combat these ailments. Use it regularly in the drinking-water to prevent spread of infection. Invaluable disinfectant for brooders and incubators. 1-lb. bottle 85 cts., 3-lb. bottle \$2, case of six 3-lb. bottles \$10.

Carbola Lindane

The insect-killing and disinfecting white paint in powder form. Simply mix the Carbola powder with water and it is ready for brush or sprayer. *Won't peel or flake.* It gives walls and ceilings a smooth white finish. Kills flies, mosquitoes, roaches, spiders, ants and other insects. Contains a disinfectant which destroys disease germs in barns, poultry houses, cellars, etc. Harmless to skin. Two and one-half pounds makes 1 gallon of paint covering 250 square feet.

5 lbs. 90 cts., 10 lbs. \$1.45, 25 lbs. \$3.35, 50 lbs. \$5.90.

Humane Poultry Killer



Easy to operate and makes a sure kill. Place the blade in the bird's mouth, close the handle, and the bird is bled in one operation. Will work equally well on turkeys, ducks, or geese. \$2.95, postpaid.

**If you are interested in a
GARDEN TRACTOR
Turn to page 86**

Carbolineum

Standard Insecticide and Wood Preserver
Since 1876

Has many uses around poultry houses and general farms. In poultry and brooder houses it kills and keeps out mites, blue bugs and fowl ticks; preserves wood everywhere against rot and decay; stops tunneling termites; prevents gnawing of wood by horses, rats, or gophers. It is a heavy, non-volatile, brown oil to which other ingredients have been added. It will not evaporate readily and its effectiveness is long-lasting. Comes ready to use and is applied with an ordinary paint brush or sprayer.

1-gal. can \$2.25, 5-gal. drum \$8.85, 30-gal. drum \$50.40, 55-gal. drum \$75.35.

Pik-Rem Stops Cannibalism

Pik-Rem is not a medicine but a help in breaking the vicious habit of chicks picking each other and will quickly break up the condition known as cannibalism. It is blood-colored and blood-soluble, making it adhere to raw, bloody surfaces. Very effective and harmless.

5-oz. jar 50 cts., 12-oz. jar \$1, 26-oz. jar \$2, postpaid.

"Black-Leaf 40"

Controls Poultry Lice and Mites

A sure method for controlling body-lice. With the "Cap-Brush" Applicator, the 1-ounce bottle will treat about 90 birds, other sizes in proportion. (Applicator included in the 1-oz., 5-oz., and 1-lb. bottles.)

When used as a spray, dilute at the rate of 2 to 3 tablespoonfuls to 1 gallon of water and add about ¼ bar of laundry soap. 1-oz. bottle 35 cts., 5-oz. bottle \$1.05, 1-lb. bottle \$2.42, 2-lb. tin \$4.15.

Gold-Leaf Tobacco-Leaf Dust

Manufactured especially to control roundworms in poultry. So certain is its action that it may well be considered a specific for the control of this trouble. The treatment is exceedingly inexpensive.

Mix two pounds of Gold-Leaf Tobacco-Leaf Dust with 100 pounds of dry mash. 2-lb. carton 35 cts., 10-lb. pkg. \$1.20.

Whitspray Stock Fly Spray

Effectively kills and repels flies. Safe, rapid insecticidal action. Residual protection; lasts for several days. Contains piperonyl butoxide and pyrethrum. 1-gal. can \$1.30.

Whitcod Cod-Liver Oil

Pure U. S. P. Cod-Liver Oil. Specially processed for feeding to poultry and animals. Guaranteed to contain 68,100 A.O.A.C. units vitamin D per pound and 681,000 U. S. P. units vitamin A per pound. 1-qt. can \$1.25.

K-R-O (Kills Rats Only)

K-R-O is made of red squill, an ingredient recommended by the U. S. Government for rat eradication. Red Squill may be safely used around humans, pets, and livestock. K-R-O. Powder, 2-oz. size, 75 cts., postpaid.

Toxite Veterinary Ointment

A healing salve for the treatment of cuts and sores of animals and for massaging chapped udders of cows; effective in stopping tail-picking and cannibalism in poultry. Safe and economical.

4-oz. jar 60 cts., postpaid.

Walko Tablets

A valuable drinking-water antiseptic for baby chicks, turkeys, ducks, geese, or older fowls. Aids in preventing spread of disease through contaminated water. Give to little chicks in their drinking-water as soon as they are out of the shell. Pkg. (100 tablets) 60 cts., pkg. (250 tablets) \$1.20, pkg. (1,000 tablets) \$2.50, pkg. (2,000 tablets) \$4.

Mouse Seed

The modern way to kill mice. Pkg. 25 cts.

Nopco XX Fortified Cod-Liver Oil

A uniform, dependable vitamin A and D supplement for daily use in all poultry and live-stock feeds. **Nopco XX** is not only for poultry. Hogs, calves, dairy cows and other animals need vitamins A and D, too. **Nopco XX** is not ordinary cod-liver oil. Each pound of **Nopco XX** is guaranteed to contain 181,600 A.O.A.C. units of vitamin D and 1,362,000 U. S. P. units of vitamin A. It's economical.

5-lb. can \$3.60. Postage extra.

Nest Eggs

Glass Nest Eggs. 8 cts. each, 3 for 20 cts., 75 cts. per doz.

Lime Nest Eggs. Made from pure sterilized sulphate of lime. 3 for 15 cts., 45 cts. per doz.

BOOKS

American Standard of Perfection. Published by the American Poultry Association and is the American authority on the recognized characters of all breeds of chickens, turkeys, ducks, and geese. Contains nearly 500 pages, 218 illustrations. Cloth, \$3.50.

Best Plans of Poultry-Houses. Following the plans in this book is assurance that you will have a satisfactory poultry house at the least expense. Illustrated. 50 cts.

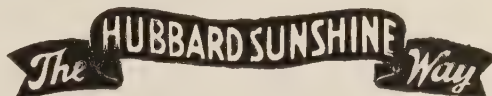
The Home Veterinarian's Handbook. By E. T. Baker. Tells how to handle emergency situations regarding farm animals and poultry. Contains information on: horses, cattle, hogs, sheep, goats, rabbits, dogs, cats, poultry, wild animals, medicine, poisons and parasites. Cloth, \$3.00.

Turkey Management, by S. J. Marsden and J. Holmes Martin. Covers every phase of the turkey business from the origin and history of the turkey to artificial breeding, sexing, and caponizing. 700 pages; 200 illustrations and charts. \$4.00.

Starting Right with Turkeys. By G. T. Klein. An authoritative, easy-to-understand and up-to-date book on the raising of turkeys. Valuable to the beginner. 129 pages; many illustrations. \$2.75.

"Quality Results at Low Cost"

WHEN FEEDS ARE MADE



Hubbard Sunshine Complete Feeds and Concentrates are Quality Feeds. Quality is something that cannot be talked into a Product or promised into it. It must be put there.

HUBBARD'S SUNSHINE**Turkey Starter Turkey Grower**

Outstanding turkey mashes that are making more money for the leading turkey raisers all over the country. Tried on the feed-lot; proved on the market.

HUBBARD'S SUNSHINE**Broiler Mash Egg Mash Chick Starter Growing Mash**

Poultry mashes that mean a saving in feed cost and more profitable results in every phase of the poultry business.

Oyster Shells

They supply sufficient lime for the shell of the egg. Should be kept within easy access to fowls all the year round.

Grit

Essential to all fowls from day-old chicks to full-grown birds. Aids in grinding the food.

Health Grit for Pigeons

Helps keep birds' digestive organs in prime order; provides the proper shell material; assists the birds in the moult and wards off many troublesome diseases. Keep before birds at all times.

Meat and Bone Scrap

Supplies the necessary protein and bone phosphate for egg-making. Obtained from freshly rendered meat-trimmings and is thoroughly dried.

Poultry Charcoal

Aids digestion and helps prevent disease. Fowls young and old should have free access to it at all times.

Dried Buttermilk

Supplies the vitamins, protein, and mineral matter which are essential in the diet of all young animals for rapid growth. Fed mixed with ground feeds.

Conkeys Rabbit Pellets

A complete, balanced and nourishing food for rabbits. Being in pelleted form it eliminates waste.

Miscellaneous Seeds and Grains

Cracked Corn
Whole Corn
Pinhead Oatmeal
Hulled Oats
Sunflower Seed
Hemp Seed
Canary Seed
Rape Seed
Kaffir Corn

Pigeon Peas
Whole Flaxseed
Flaxseed Meal
Wheat
Buckwheat
Millet
Alfalfa Leaf Meal
Cotton Seed Meal

Our stocks of the above are carefully selected and will be found equal to any on the market.

PRICES ON THE ABOVE FEEDS AND MATERIALS WILL BE QUOTED ON REQUEST

Dog and Pet Foods and Supplies



DOG FOOD

Bannock Body Builder

"Dog Food at Its Best"

For ALL DOGS • ALL BREEDS • ALL AGES

Healthful, economical, and convenient to feed, Bannock Body Builder is a balanced ration, containing all of the food elements necessary for the proper nutrition of dogs. Proteins, vegetables, fats, minerals, vitamins, and "THYMAVITE"—all especially selected and in correct proportion. Breeders, trainers, and veterinarians alike recommend Bannock Body Builder.



DOG FOOD

"Thymavite"* provides more essential vitamins, more minerals and more food value—just what dogs need.

*"Thymavite" is the new food discovery, the remarkable vitamin concentrate combined with other health-giving elements.

5-lb. bag.....	\$0 75	50-lb. bag.....	\$5 75
10-lb. bag.....	1 40	100-lb. bag.....	10 80
25-lb. bag.....	3 15	500 lbs.....	51 00

Spratt's Dog and Puppy Foods

For over eighty years, Spratt's "Meat Fibrine" Biscuit Foods have been termed "Foods of Quality." They lead in nourishing properties, suitability to the constitution of present-day dogs, and in economical value. Their reputation is world-wide.

SPRATT'S FIBO. An appetizing granulated food for shy and dainty feeders. Suitable for change of diet for any dog at any time. Feed dry or soaked with broth. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25 lbs. \$6.15, 50-lb. bag \$12.

SPRATT'S OVALS. Handy pocket biscuits suitable for all breeds. Carry a few when on a ramble with your dog. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25 lbs. \$6.15, 50 lbs. \$12.

SPRATT'S SPIX. Meat fibrine biscuit, bone size. All dogs like this biscuit. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25 lbs. \$6.15, 50 lbs. \$12.

SPRATT'S CHARCOAL OVALS. Aid in the elimination of fetid breath and stomach impurities. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25 lbs. \$6.15, 50-lb. bag \$12.

SPRATT'S COD-LIVER OIL OVALS. Aids in the conditioning of dogs; invaluable during the winter months. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25 lbs. \$6.15, 50-lb. bag \$12.

SPRATT'S MEAT FIBRINE DOG CAKES. Standard dog cake for large dogs, used by all leading dog breeders. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25-lb. box \$6.15.

Always in Fine Condition

"I have been using Bannock Dog Food for several years, and my dogs are always in perfect condition, even after weaning large litters. They are not only in excellent condition all the time, but are full of pep and carry magnificent coats. I also get large litters of sturdy puppies, and have never had a bitch miss since I started using Bannock. I am more than glad to recommend such a satisfactory food." (Signed) ELIZABETH D. WHALEN, Pocono Kennels, Pa. Three Champion Shetland Sheepdogs, the pride of Pocono Kennels, Pa.

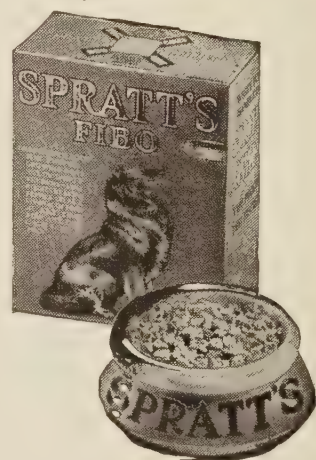
SPRATT'S ASSORTED BISCUITS. Gives your dog just the variety of crunchy foods needed for the maintenance of stamina and good health. The combination is made up of Spix, Ovals, Charcoal Ovals, and Cod-Liver Oil Ovals. Lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.30, 25 lbs. \$6.15, 50 lbs. \$12.

SPRATT'S PEPSINATED MEAL. For puppies or kittens with weak digestion; is extremely assimilative and will make most unpromising youngsters thrive. 12-oz. can 45 cts.

SPRATT'S PUPPILAC. A perfect substitute for the milk of the bitch, for rearing orphan puppies, at weaning-time and for ailing dogs in sickness or convalescence. This is also valuable as a food for cats and kittens. 10-oz. can 90 cts.

SPRATT'S BONE MEAL FOR PUPPIES. A great preventive of early weakness in puppies containing all the elements needed to insure vigorous frame. Prepared for easy mixing with the staple food. 18-oz. tin 45 cts.

SPRATT'S CALCIUM PHOSPHATE. For Rickets and Osteoporosis. An admirable adjunct in the feeding of puppies of the large breeds. It may also be given to bitches before whelping. Easily assimilated and has no irritating effect on the stomach. 8-oz. can 45 cts.



"Old Trusty" All Terrier Food

A kibbled food of even balance and carefully mixed. Suitable for dogs of all breeds and ages. May be fed dry or moistened with milk or soup. 5 lbs. 75 cts., 10 lbs. \$1.40, 25-lb. bag \$3.25, 50-lb. bag \$6.25, 100-lb. bag \$12.

Dog Furnishings

We offer an extensive selection in Collars, Harness, Leashes, Baskets, Brushes, Nail Clippers, Dressing Tools, Name Plates. Toys. Inquiries invited.

Sturdy Dog Food

Made from a tested and proved formula and contains a wide variety of ingredients. Suitable for dogs of every age, every size and every breed. Can be fed dry or moistened. 5 lbs. 75 cts., 10 lbs. \$1.40, 25-lb. bag \$2.80, 50-lb. bag \$5.30, 100 lbs. \$10.10.

Mail and Telephone Orders

We are organized to give mail and telephone orders the same personal attention as orders placed in our store. If it is not convenient to come to the store, we will appreciate your order either by mail or telephone.

PRICES OF DOG FOODS ARE F. O. B. OUR STORE, DELIVERY EXTRA.

MILLER'S DOG FOODS

Battle Creek Health Foods for Dogs

Miller's Dog Foods will furnish you with all the essentials needed to keep your dog at his best. Miller's Foods contain dehydrated meat meal, cereals, vitamins, and minerals. Several types to choose from, and they all help you keep your dog healthy at small expense.

KIBBLES

5 lbs.....	\$0 80
10 lbs.....	1 45
25-lb. sack.....	3 40
50-lb. sack.....	6 50
100-lb. sack.....	12 50

RATION

5 lbs.....	\$0 75
10 lbs.....	1 40
25-lb. sack.....	3 15
50-lb. sack.....	5 75
100-lb. sack.....	10 80

PUPPY MEAL

5 lbs.....	\$0 80
10 lbs.....	1 45
25-lb. sack.....	3 40
50-lb. sack.....	6 50
100-lb. sack.....	12 50

BISCUIT

5 lbs.....	\$0 80
10 lbs.....	1 45
25-lb. sack.....	3 40
50-lb. sack.....	6 50
100-lb. sack.....	12 50

MILLER'S KIBBLES DOG FOOD



HEALTH
PLUS
ECONOMY

Highest quality for 30 years

Canned Dog and Cat Foods

AL PO DOG FOODS

A ready-cooked, wholesome dog food rich in vitamins and minerals. Can be fed straight or mixed with cereals or biscuits. It is diced in cubes for convenient feeding.

Al Po Cubed Meat (Horsemeat). 15½-oz. can 25 cts., case (24 15½-oz. cans) \$5.40, 2¼-lb. can 50 cts., case (24 2¼-lb. cans) \$11.

Al Po All Beef. 15½-oz. can 33 cts., case (24 15½-oz. cans) \$7.15, 2¼-lb. can 70 cts., case (24 2¼-lb. cans) \$15.25.

RED HEART DOG FOOD

A meat-food product with cereals and vegetables for dogs and cats. Comes in three flavors: beef, fish or cheese. Lb. cans 2 for 31 cts., case (48 cans) \$6.90.

PARD DOG FOOD

A nutritionally balanced, ready-to-serve food for dogs and cats of all breeds. Contains meat by-products, cereals, and other ingredients. Lb. cans 2 for 31 cts., case (48 cans) \$6.65.

CHAPPEL HORSE MEAT

A high protein dog food supplement. Generally fed mixed with Ken-L-Biskit or a dog meal. 15½-oz. cans, 2 for 39 cts., case (48 cans) \$8.

KEN-L-RATION

A canned food for dogs and cats of all breeds. Lb. cans, 2 for 31 cts., case (48 cans) \$6.90.

PRESTON HORSEMEAT

Contains 100% horsemeat. Cooked ready to feed. 15-oz. cans, 2 for 45 cts., case (24 cans) \$5.10.

PUSS'N BOOTS CAT FOOD

Prepared specially for cats. Contains fish and cereals. 15-oz. cans, 2 for 31 cts., case (48 cans) \$6.30.

TILGHMAN GROUND MENHADEN FISH

Can be fed alone or mixed with other foods. Relished by all cats. 14-oz. cans, 2 for 35 cts., case (24 cans) \$3.75.

KEN-L-BISKIT

INGREDIENTS

Fresh Meat, Wheat Germ, Yeast,
Egg Yolk, Wheat Flour,
Fresh Whole Milk and Bone

Chappel's Ken-L-Biskit is scientifically prepared from fresh raw meat and carefully selected ingredients. Its nutritional value has been proved in laboratory-controlled feeding tests. Can be fed dry or moistened with water or broth and is suitable for dogs of all breeds and ages.

Small cakes, small kibbles, or medium kibbles, 5 lbs. 80 cts., 10 lbs. \$1.45, 25-lb. bag \$3.40, 50-lb. bag \$6.50, 100-lb. bag \$12.50.



FRISKIES DOG FOOD

Clean • Easy To Feed

A complete and dependable food for puppies and both growing and mature dogs. It contains every necessary mineral and vitamin in amounts and in forms which years of testing have proved adequate to help build sturdy and healthy bodies. All cereals in Friskies have been specially prepared and then mixed with meat meal proteins, vegetable proteins and vitamin carriers. Fed moistened with water. Flavor variations can be obtained by substituting milk or gravies.

Meal. 5 lbs. 75 cts., 10 lbs. \$1.40, 25 lbs. \$3.15, 50 lbs. \$5.75, 100 lbs. \$10.80.
Cubes. 5 lbs. 75 cts., 10 lbs. \$1.40, 25 lbs. \$3.15, 50 lbs. \$5.75, 100 lbs. \$10.80.

Star "Formula 42"

A tested and proven product for the control of rats and mice. Made with warfarin, the new rodent killer. Very effective and safe to use, comes in two formulas.

Ready-to-Use. 8-oz. pkg. 50 cts., 1-lb. pkg. \$1, 5-lb. pkg. \$2.75.
Concentrate. 1-oz. pkg. 50 cts., 4-oz. pkg. \$1.75, 1-lb. pkg. \$5.

Gaines Dog Meal

An excellent daily diet for dogs and puppies of all sizes and breeds. Just add water—nothing else—and Gaines offers dogs all the Vitamins A, B₁, B₂ (G), B₆, D, E, Niacin, Pantothenate and other food factors they're known to need. And dogs love it. In fact, actual surveys show that nine out of ten dogs like Gaines right from the very first feeding.



5 lbs.....	\$0 75	50 lbs.....	\$5 75
10 lbs.....	1 40	100 lbs.....	10 80
25 lbs.....	3 15		

Gaines Krunchon

Made of the same ingredients as Gaines Meal, but in pelleted form.

5 lbs.....	\$0 75	50 lbs.....	\$5 75
10 lbs.....	1 40	100 lbs.....	10 80
25 lbs.....	3 15		

MILK-BONE

-- your dog's favorite food



Large Milk-Bone for big dogs—medium size for medium size dogs—little ones for small dogs and puppies—and the all-purpose food, Milk-Bone. Tiny-Bits (broken up Milk-Bone biscuits) for all dogs. That's the wonderful variety Milk-Bone offers.

Whatever the size, hearty, wholesome Milk-Bone is packed with the food elements dogs need—with high-protein meat meal, yeast, milk, whole-wheat flour, fish, liver oil, vitamins A, B₁, B₂, D, and E as well as important minerals.

Dog Biscuit. For large breeds. 29-oz. carton 39 cts. each, 3 for \$1.15.

Puppy Biscuit. For full-grown dogs in the medium-size class, also puppies. 26-oz. carton 39 cts. each, 3 for \$1.15.

Tiny-Bits. An all-purpose food. 1 lb. 14 oz. carton 39 cts. each, 3 for \$1.15.

Pal Dog Biscuits. Small size dog biscuit. Lb. 27 cts., 5 lbs. \$1.25, 10 lbs. \$2.40, 25 lbs. \$5.50.

Tie Out Chains and Posts

For tethering dogs, goats, cows, ponies, and horses. Free-turning sleeve and swivel snap on post keeps chain from kinking and wrapping around post.

10-ft. Light Weight Chain.....	\$2 00
10-ft. Heavy Weight Chain.....	2 25
12-ft. Heavy Weight Chain.....	2 50
20-in. x ½-in. Post.....	2 00
26-in. x ¾-in. Post.....	2 50

PRICES OF DOG FOODS ARE F. O. B. OUR STORE,

DELIVERY EXTRA.

Spratt's Dog Remedies

Spratt's Medicines are made from the purest ingredients obtainable and are always kept up to the highest level of modern veterinary science. Dosage and directions appear on all packages.

	Pkg.
Tablets for Constipation.....	\$0 60
Sulfur Tablets. For heated blood, etc.....	60
Cough Tablets. Generally effect a quick cure.....	60
Special Tablets. A diuretic and stimulant.....	1 00
Ear Canker Ointment. For both internal and external forms of this disease.....	75
Mange Liquid. 12-oz. bottle.....	75
Tonic Tablets. To build up after sickness.....	60
Cod Liver Oil Capsules. 20 capsules.....	60
Worm Capsules for Puppies.....	60
Worm Capsules for Dogs.....	60
Dry Cleaning Powder.....	35
Dog Soap (White). For fleas, lice, etc.....	Cake 25 cts.
Liquid Shampoo. Also recommended for use by humans.....	35
Chalk Block. For dry-cleaning dogs and cats.....	55

Sergeant's

Dog Care Products

Special Medicine. For reduction of fever in pups and dogs.....	\$1 00
Mange Medicine. For treating sarcoptic mange.....	65
Condition Pills. A tonic and alternative for pups and dogs.....	65
Expectorant Medicine. For coughs due to colds in pups and dogs.....	65
Puppy Capsules. For round and hookworms in pups and dogs weighing less than 10 pounds.....	65
Eye-Wash. For treating eye trouble in pups and dogs.....	65
Sure-Shot Capsules. For large roundworms, and hookworms in pups and dogs weighing over 10 pounds.....	65
Tapeworm Medicine. For tapeworms in pups and dogs.....	65
Ear Creme. For treating internal and external ear canker.....	75
Pepsin and Aromatic Tablets. Relieves colic in pups and dogs due to improper food.....	65
Intestinal Astringent. Checks too-frequent bowel action in cases of diarrhea.....	65
Vitapets. A food supplement for dogs and puppies. Supplies Vitamins A, B, D, and G. Pkg. (23 capsules).....	65
Laxative Tablets. For treating constipation in pups and dogs.....	65
Skip-Flea Soap. A wonderful bath soap. Will kill fleas, lice, and certain other vermin. Cake 30 cts....	
Skip-Flea Powder. For fleas and lice on dogs and cats. 2-oz. pkg.....	40
Pine Oil Disinfectant. For general use. 4 ozs. 25 cts., 12 ozs. 60 cts.	
Sergeant's Dog Book Free. Ask for it.	

Q-W Dog Remedies

Condition Powder. A general conditioner.....	Pkg.
5-oz. pkg.....	\$1 00
36-oz. pkg.....	3 00
Cough Mixture. Often gives immediate relief.....	
3-oz. bottle.....	65
6-oz. bottle.....	1 00
Sedative Tablets. For treatment of fits and nervous twitching.....	95
Antiseptic Salve. Helps promote healing of cuts and wounds.....	
1-oz. jar.....	65
2-oz. jar.....	1 00
Worm Capsules. For large roundworms.....	65
Worm Mixture. Safe and sure. 2 ozs. 65 cts., 4 ozs. \$1.....	
Flea Powder. Kills fleas.....	50
Flea Oil and Coat Dressing. 1/2-pt....	65
Sarcoptic Mange Lotion. Dressing for mange and itch.....	75
Dog Soap. Has a pure, clean, pleasant odor.....	Cake 35 cts.
Dog Shampoo. A liquid soap that will actually kill fleas.....	35
Constipation Pills. A quick, safe laxative.....	65
Cod-Liver Oil with Calcium Phosphate. Rich in vitamins A and D. 6-oz. bottle.....	75
10-oz. bottle.....	1 15
Pine Bar. Removes any unpleasant dog odor.....	35
Eye Salve. For minor irritations of the eye.....	1 00
Ear Canker Lotion. For parasitic cankers of the ear.....	1 25
Salicylate Compound Tablets. Give relief in cases of muscular soreness.....	65
Tapeworm Mixture. Gives a thorough, healthy, quick cleaning out. 2-oz. bottle.....	1 00
Verminol. Disinfectant, germicide and deodorizer.....	4 ozs. 75 cts.

Dr. Daniel's Medicines for Dogs and Cats

H. B. O. Liquid for hair-balls in cats.....	\$0 65
V. M. Capsules. Vitamins for dogs and cats.....	1 00
Worm Specials	
Liquid Worm Drops. For cats and toy dogs.....	50
Vermi Kaps. For cats and toy dogs.....	65
Vermi Kaps. For puppies.....	65
Vermi Kaps. For dogs.....	65
Tape Worm Treatment.....	1 00
Loose Catnip. All leaves and blossoms.....	25
Acobel Wafers. For distemper—colds in cats and puppies.....	50
Condition Tablets. Restorative for dogs.....	65
Dervide Tablets. For fits and convulsions.....	50
Dog and Flea Soap.....	Cake 25 cts.
Katonic. A great tonic for cat or kitten.....	50
Laxative Tablets. For dogs or cats.....	50
Dermite. For itching skin, eczema and sarcoptic mange.....	1 00

Glover's Imperial Dog Medicines

Imperial Capsules. For round and hookworms. Puppy size, pkg. (8 capsules) 25 cts.; pkg. (24 capsules) 60 cts. Dog size, pkg. (6 capsules) 25 cts.; pkg. (18 capsules) 60 cts.	
Vermifuge for Roundworms. For puppies, dogs, foxes, and cats.....	\$0 60
Tapeworm Capsules. For puppies, dogs, foxes, and cats.....	60
Laxative Pills. For sluggish bowels and acute constipation.....	60
Compound Tablets. Act upon the kidneys and intestines.....	60
Nerve Sedative. For fits and convulsions.....	60
Mange Medicine. For sarcoptic mange of dogs.....	75
Expectorant Mixture. For coughs due to colds.....	60
Canker Medicine. For canker of the ear in dogs and cats.....	60
Intestinal Tablets. For non-infectious diarrhea.....	60
Tonic Pills. Tonic and appetizer....	60
Eye Lotion and Powder. For minor injuries and irritations in the eyes.....	60
Ointment. For sarcoptic mange and minor skin irritations.....	60
Flea Killer Powder. For dogs and cats.....	35
Kennel and Flea Soap. Kills fleas and lice.....	Cake 35 cts.
Medicated Soap. A cleansing bath soap for house dogs. Cake 35 cts....	
Rex Wheat Germ Oil. Helps maintain a healthy coat and skin; valuable aid in breeding dogs and other animals. Fed with the regular daily diet. 4-oz. bottle \$1; 1-pt. bottle \$3.50, 1-qt. bottle \$6, 1-gal. bottle \$19.	
Fleischmann's Irradiated Dry Yeast for Dogs. Supplies vitamin D and the B complex vitamins. Vitamin D is essential to the absorption and efficient utilization of the minerals calcium and phosphorus. It is especially needed by pregnant and nursing mothers and puppies. The B complex vitamins are essential to a normal appetite, good growth and soundness of the muscular and nervous systems. 3 1/2-oz. can 30 cts., 8-oz. can 60 cts., 1-lb. can \$1, 5-lb. can \$4.	
Rudhard's Ready-Baked Meat Balls. A safe, sensible treat of well balanced, highly nourishing foods that dogs need. Rich in natural vitamins. 8-oz. pkg. 25 cts., 24-oz. pkg. 70 cts.	
Rex Hunter's Tasteless Dog Powders. Provide blood-ionic elements and a reconstructive for dogs of all breeds, any age. Pkg. of 10 tablets 30 cts., 40 for \$1.	
Dog-Yummies. A wholesome, tasty snack for in-between meal feedings—as a reward for good behavior or for performing a trick. 8-oz. pkg. 25 cts.	
Witch's Brew. An ointment for the treatment of sarcoptic mange, eczema, itching, and other skin troubles. 2-oz. jar 60 cts.	
Sanahide. A skin and hair conditioner. Aids in the relief of irritations and itching. 12-oz. bottle 75 cts., 16-oz. bottle 90 cts.	



Pulvex. Now contains D.D.T. It is safe to use and is most effective in killing lice and fleas on an animal at the time of application, and in addition will protect the treated animal against a reinfestation of fleas for days.

1½-oz. pkg. 30 cts., 3½-oz. pkg. 60 cts., 12-oz. pkg. \$1.20, post-paid.

Pulvex Flea Soap. Cleans thoroughly, deodorizes and kills fleas. Cake 30 cts.

Pulvex Dry Cleaner. An odorless, harmless powder that cleans your dog or cat without water. Kills fleas and lice, removes doggy odors. 5-oz. tin 50 cts.

Pulvex Sponge-Away. Kills fleas and lice; controls summer eczema; promotes healing of open sores when caused by scratching. Oz. 25 cts., 3 ozs. 50 cts., 8 ozs. \$1.

Pulvex Combination Treatment Worm Capsules. The Pulvex package contains capsules to give your dog a complete treatment for round, hook, and tapeworms. For puppies and dogs weighing less than 10 pounds, pkg. (16 capsules) 60 cts., pkg. (32 capsules) 90 cts.; for dogs weighing 10 pounds or over, pkg. (12 capsules) 60 cts., pkg. (24 capsules) 90 cts.

Quadine. Used by thousands of kennels and fanciers as an aid in treatment and grooming of the dog's skin and coat. Controls dandruff, fleas, mange. 2-oz. bottle 60 cts., 4-oz. \$1, 12-oz. \$2.50, ½ gal. \$5.90, gal. \$9.50.

Quadine Cerate. Quadine in salve form for application to persistent cuts, burns, etc. 2-oz. tin \$1.50.

Quadine Spray Set. Atomizer and 3-oz. bottle of Quadine. \$2.25.

Quadine Liquid Garlic. Peps up your dog's appetite. No after odor. Dogs love it. 4-oz. bottle 60 cts., 12-oz. \$1.50, gal. \$9.

Pulvex Pine Oil Disinfectant. For use in the home and kennel. Has a pleasant odor. 8-oz. tin 50 cts., 1-gal. can \$3.60.

Delcreo. Highly regarded by experienced breeders as a specific for the treatment of colds, insipient distemper, etc. Comes in liquid form. 4-oz. pkg. \$1.75, 16-oz. pkg. \$6.

Show Coat. A soothing, cleansing lotion that is refreshing and deodorizing. **Treated pads,** jar (14 pads 8 by 9 in.) \$1.25. **Lotion,** 16-oz. bottle \$1.20.

Vita-Vurv. A palatable vitamin and mineral supplement for puppies and older dogs. Give it mixed with their regular food. 5-oz. can 75 cts.

Handy Dog Booklets

Feeding the Dog
Laws about Dogs
Whelping of Puppies
House Breaking the Dog
Dog Shows and Rules
How to Ship Dogs
How to Sell Dogs

The Dog in the Show
Ring
Handling the Mating
Stud's Care and Management
Puppies and Their Care
Anatomy of the Dog

Each a 16-page booklet. 30 cts. each, 4 for \$1.

HOW TO RAISE AND TRAIN YOUR PUPPY, by Bob Becker. An authoritative guide to the selection, care, and discipline of your puppy. 72 pages, 8½ by 11 inches; many photographs. \$1.

Bee Brand Shampoo. Kills fleas on dogs and cats. 4-oz. pkg. 60 cts., pt. \$1.55, qt. \$2.95.

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INDEX

	Page
Adco.....	63
Agrico.....	60,61
Agrinite.....	61
Alfalfa Seed.....	56
Aluminum Sulphate.....	62
Ant Killers.....	67
Arsenate of Lead.....	65
Bag Balm.....	82
Bee Supplies.....	84,85
Begonia Bulbs.....	44
Bent Grass.....	55
Berry Plants.....	53
Bichloride of Mercury.....	68
Bird Supplies.....	99
Birdfoot Trefoil.....	56
B-K Disinfectant.....	82,94
Black-Leaf 40.....	65,94
Blue Vitriol.....	64
Bone Meal.....	62
Books.....	42,95,99
Bordeaux Mixture.....	64
Brooders.....	87,88,90
Bulbs.....	43-45
Caladium Bulbs.....	44
Calcium Arsenate.....	65
Calcium Cyanide.....	67
Canary Seed.....	99
Canna Bulbs.....	45
Carbola.....	94
Carbon Disulphide.....	67
Carts.....	74
Cat Foods and Remedies.....	97-99
Chlordane.....	69
Churns.....	83
Clipping Machines.....	83
Clover Seed.....	56
Cod-Liver Oil.....	94,95
Copper Sulphate.....	64
Corn, Ensilage.....	58
Corn, Field.....	58
Corrosive Sublimate.....	68
Cow Hobbles.....	82
Cow Manure.....	63
Cow Medicines.....	82
Cream Separators.....	83
Crow Repellent.....	69
Cryolite.....	65
Cultivators, Garden.....	70,71
Cupro-K.....	64
Cyanogas.....	66,67
Dahlia.....	45
Dairy Pails.....	83
DDT.....	65
Debeaker.....	91
Dehorner.....	82
Dibbles.....	70
Dinitro.....	66
Dirt Bands.....	81
Disc Cultivator.....	73
Disinfectants.....	82,93,94,99
Disinfectants, Soil.....	68
Dog Feeders.....	93
Dog Foods and Remedies.....	96-99
Dusters.....	78
D.X. Insecticide.....	64
Egg Basket.....	91
Egg Crates.....	91
Egg Graders.....	91
Egg Preserver.....	93
Egg Scales.....	91
Electric Fence Controller.....	80
Electric Hot Bed Heater.....	81
Farm Seeds.....	56-59
Feeds, Poultry.....	95
Fencing.....	80
Fertilizers.....	60-63
Fertilizer Spreaders.....	63
Fish Foods.....	99
Fish Oil Soap.....	69
Flower Boxes.....	72

	Page
Flower Holder.....	72
Flower Pots.....	72,81
Flower Seeds.....	2d cov.,29-42
Flower Shears.....	72
Fly Spray.....	65,82,94
Forks.....	70
Formaldehyde.....	68
Fruit Pickers.....	79
Fruit Picking Bags.....	79
Fruit Trees.....	52
Fruitone.....	69
Fungicides.....	64-69
Garden Seeds.....	2-28
Garden Tractors.....	86
Gates.....	80
Gladiolus.....	43,3d Cov.
Glass.....	81
Glass Substitutes.....	92
Glazing Putty.....	81
Gloves.....	71
Gloxinia Bulbs.....	44
Grafting Tool.....	79
Grafting Wax.....	69
Grape Vines.....	53

	Page
Ladders.....	79
Lawn Covering.....	71
Lawn Edger.....	71,74
Lawn Mowers.....	74,75,86
Lawn Rollers.....	74
Lawn Seeds.....	54,55
Lawn Sprinklers.....	73
Lawn Sweepers.....	73
Lawn Tamper.....	71
Leg Bands.....	91
Legume-Aid.....	68
Lily Bulbs.....	45
Lime.....	62
Lime-Sulphur.....	66
Lye.....	82
Marsh Plants.....	45
Milk Bottle Caps.....	82
Milk Cans.....	83
Milk Filter Discs.....	82
Milk Strainers.....	83
Milorganite.....	62
Mole Exterminators.....	67
Mouse Killers.....	67
Mushroom Spawn.....	18

Sectional Index

	Page
Bee Supplies.....	84,85
Bulbs and Roots.....	43-45
Dairy Supplies.....	82,83
Dog and Pet Feeds and Supplies.....	96-99
Fencing.....	80
Fertilizers.....	60-63
Garden and Lawn Tools and Accessories.....	70-81
Hot Bed Supplies.....	81
Insecticides and Fungicides.....	64-69
Nursery Stock.....	46-53
Poultry Equipment and Supplies.....	87-95
Seeds, Farm.....	56-59
Seeds, Flower.....	29-42
Seeds, Garden.....	2-28
Seeds, Lawn Grass.....	54,55
Tractors, Garden.....	86

Grass Catchers.....	74
Grass Shears.....	71
Hammermills.....	83
Heaters.....	91
Heating Cable.....	81
Hedge Plants.....	49
Hedge Shears.....	71
Herbs.....	14
Hoes.....	70
Hog Feeders and Fountains.....	92
Hog Medicines.....	82
Horse Medicines.....	82
Horse-Radish Roots.....	14
Hose.....	73,77
Hose Reel.....	73
Hotbed Sash.....	81
Hotbed Supplies.....	81
Hotkaps.....	81
Humus.....	62
Hypox.....	62
Incubators.....	88
Inoculants, Seed.....	68
Insecticides.....	64-69
Japanese Beetle Traps.....	69
Kennel Bedding.....	99
Kow Kare.....	82
Labels.....	72

Nec Gards.....	72
Nest Eggs.....	95
Nests.....	92
Nico-Fume.....	66
Nicotine Sulphate.....	65
Nitrate of Soda.....	62
Nozzles.....	73
Nursery Stock.....	46-53
Oats.....	59
Oil Sprays.....	66
Onion Plants.....	20
Onion Sets.....	20
Paint.....	69
Paradichlorobenzene.....	66
Parathion.....	65
Paris Green.....	65
Pasture Mixture.....	56
Peat Moss.....	63
Peonies.....	49
Plant Forcer.....	81
Plant Supports.....	72
Plant Tabs.....	62
Plant Tubs.....	72
Pond Plants.....	45
Posts, Fence.....	80
Pot Labels.....	72
Potato Hook.....	70
Potatoes.....	59

Poultry Feeders.....	89-90
Poultry Feeds.....	95
Poultry Killers.....	94
Poultry Remedies.....	93-95
Poultry Waterers.....	89-90,92
Pruning Tools.....	79
Rabbit Feeders.....	93
Rabbit Repellent.....	69
Raffia.....	72
Rakes.....	70
Rat Exterminators.....	67,93,94
Rhubarb.....	24
Rootone.....	69
Rose Bushes.....	46-48
Rose Food.....	61,62
Rotenone Dust.....	65
Salt.....	82
Salt Hay.....	62
Sausage Seasoning.....	82
Scaevola.....	66
Scythes and Stones.....	70
Seeds, Farm.....	56-59
Seeds, Flower.....	29-42
Seeds, Garden.....	2-28
Seeds, Lawn.....	54,55
Seed Cleaners.....	83
Seed Disinfectants.....	68
Seed Drills.....	71
Seed Flats.....	81
Seed Sower.....	56
Shearing Machines.....	83
Sheep Manure.....	63
Sheep Medicines.....	82
Shovels.....	70
Shrubs, Flowering.....	50,51
Sieves.....	72
Smoked Salt.....	82
Snaths.....	70
Soil Disinfectants.....	68
Soil Heating Cable.....	81
Soil Testers.....	62
Soy Beans.....	59
Spades.....	70
Sprayers.....	76,77,78
Sprinklers, Lawn.....	73
Stakes.....	72
Stock Remedies.....	82
Strawberry Plants.....	53
Sulphate of Ammonia.....	62
Sulphur.....	64,66
Superphosphate.....	60
Tartar Emetic.....	65
Time Switch.....	91
Tobacco Seed.....	26
Tobacco Dust.....	69,94
Tractors, Garden.....	86
Train-etts.....	72
Transplantone.....	62
Tree Paint.....	69
Tree Wrap.....	69
Trees, Fruit.....	52
Trees, Shade.....	51
Tri-Ogen.....	64
Trowels.....	70
Tuberose Bulbs.....	44
Twist-Emis.....	72
Ventilators.....	92
Vermiculite.....	81
Vigoro.....	62
Vines.....	49
Water Bowls.....	83
Water Heaters.....	91
Watering Cans.....	72
Water-Lilies.....	45
Weed Burners.....	78
Weed Killers.....	62,67,93
Weeders.....	70,71
Wheelbarrows.....	74
Wild Bird Seed.....	99
Worm Medicines.....	82,93,94
Yeast.....	98

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